Excavation Work Plan

OU-3 and OU-4
Sunnyside Yards
Long Island City, New York

January 10, 2022

Prepared for:

National Passenger Railroad Corporation
Washington D.C. 20002

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Certification

I, Charles J. McGuckin, certify that I am currently a NYS registered professional engineer and that this Excavation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Charles J. McGuckin, P.E.	January 10, 2022	
NYS Professional Engineer #069509	Date	Signature

1. Notification

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, Amtrak's construction management (CM) team and/or environmental representative on behalf of Amtrak will notify the New York State Department of Environmental Conservation (NYSDEC). Table 1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix A.

Table 1: Notifications*

Hasan Ahmed	(718) 482-6405	/	hasan.ahmed@dec.ny.gov
Jane O'Connell	(718) 482-4599	/	Jane.oconnell@dec.ny.gov

* Note: Notifications are subject to change and will be updated, as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this Excavation Work Plan (EWP);
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

2. Site Background

Sunnyside Yard is located in an urban area in northwestern Queens County (Figure 1). The East River is located approximately one mile to the west while Newtown Creek, which defines the border between Queens and Kings Counties, is located less than 0.5 mile south of the western portion of the Yard. The Yard consists of a railroad maintenance and storage facility that currently encompasses approximately 133 acres. The Yard functions as a maintenance facility for electric locomotives and railroad cars for Amtrak and a train layover storage yard for New Jersey Transit Corporation (NJTC). The Yard is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 241006, which is administered by NYSDEC. The Yard was subdivided into six operable units (OUs), OU-1 through OU-6, to streamline remedial efforts. The land use surrounding the Yard is a combination of commercial, light industrial and residential areas. The Long Island Rail Road (LIRR) currently owns a portion of the original Yard along the northern boundary (including a portion of OU-3) and maintains rights of way through the Yard. This EWP pertains to OU-3 and OU-4 only of the Yard (Site).

OU-3 encompasses approximately eight acres in the north central portion of the Yard, and as mentioned above, includes property owned by the LIRR. OU-4 comprises 120 of the total 133 acres of the Site and is located to the west of OU-3. Several former structures/features were present in OU-3 and OU-4, but have since been demolished to land surface, removed, closed, or rendered inoperable, as described in subsequent sections. Since remaining contamination exists within OU-3 and OU-4, any future intrusive work that will encounter or disturb the remaining contamination will be performed in compliance with this EWP. The locations of OU-3 and OU-4, as well as the approximate footprint of the proposed Acela /Ready Tracks construction area (limits of construction) are shown in Figure 2.

2.1 Proposed Acela / Ready Tracks Construction

As part of the proposed Acela /Ready Tracks construction project, Amtrak will be upgrading/installing subsurface utilities (i.e., water line, electrical duck banks, traction power duck banks, , etc.), new rail tracks and a retaining wall within portions of OU-3 and OU-4. The proposed Acela /Ready Tracks design details are provided in Appendix B. The approximate areas of excavation are shown on Figures 1 through 8 provided in Appendix C. Excavation depths range from approximately two feet below land surface (ft bls) to approximately 18 ft bls. Cross-sections of the proposed cut/excavation areas are provided in Appendix B (see drawings C301 through C-311). According to Amtrak, this work will include the excavation of approximately 44,000 CY of soil. Amtrak anticipates on reusing approximately 10,000 CY of soil as backfill within the excavations. The remaining approximately 34,000 CY of soil will be transported off-site for disposal at a permitted facility. Prior to commencement of the Acela /Ready Tracks work, Roux will complete an *in situ* soil characterization program (soil characterization) within the anticipated areas of excavation (see Appendix C). In accordance with Section 3 of this EWP, during soil characterization activities, Roux will collect grab/composite soil samples throughout the proposed excavation areas for laboratory analyses. All soil samples will be submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program Contract and Laboratory Protocol laboratory and analyzed for Sunnyside Yard (SSY) site-specific criteria compounds including total Semivolatile Organic Compounds (SVOCs), polychlorinated biphenyls (PCBs) and lead for reuse evaluation. Additionally, all soil samples will be collected for full toxicity characterization leaching procedure (TCLP) and other typical waste disposal required analyses (i.e., total cyanide, Resource Conservation and Recovery Act (RCRA) characteristics, etc.). If any sample exceeds SSY site-specific criteria (total SVOCs: 500 parts per million [ppm], PCBs: 25 ppm or lead: 3,900

ppm), the soil will be transported offsite for proper disposal at a permitted waste disposal facility. Impacted soil meeting SSY site-specific criteria will not be used as backfill in the top one foot (i.e., cover system).

Following completion of the work, the surface within the limits of construction will be completed with a combination of asphalt paths, new rail tracks, and ballast stone. See Grading and Drainage drawings C-151 through C-158 provided in Appendix B.

Additionally, the Acela /Ready Tracks work will include dewatering during utility excavation activities, which will be completed in accordance with a Long Island Well Permit (LIWP), if required, and New York City Department of Environmental Protection (NYCDEP) discharge requirements, as described in Section 3.8 of this EWP.

The Acela /Ready Tracks excavation work is anticipated to commence in July 2021 and is anticipated to be completed over a duration of approximately eight months. A kickoff meeting will be conducted with the NYSDEC prior to commencement of field activities. The kickoff meeting will be coordinated with the NYSDEC.

2.2 Summary of Previous Investigations and Remediation

This section provides a detailed description of the previous investigation and remediation activities conducted in OU-3 and OU-4 including the historic separate phase hydrocarbon (SPH) plume, the soil (unsaturated and saturated), PCB Remedial Zones, groundwater, and subsurface structures.

2.2.1 SPH

By the time the OU-3 Remedial Investigation (RI) was submitted to NYSDEC in May 2005, the SPH plume had been fully delineated both horizontally and vertically. At its largest extent, the historic outer boundary of the plume (historic zero-foot SPH contour), which was very conservatively defined by the absence of a visible sheen on the water table, occupied an area of approximately three acres in the central part of OU-3 (Figure 3). Physical evidence of sheen and/or petroleum odor was noted up to 10 feet below land surface (ft bls) in several borings and deeper in some borings.

Based on the collective results of previous RIs, a detailed description of the nature and extent of contamination in OU-3 was presented in the October 2007 NYSDEC approved Remedial Action Work Plan (RAWP). With respect to SPH, 65 samples of SPH were collected from OU-3 monitoring wells and analyzed for PCBs. The results of the PCB testing showed detections in 22 locations, ranging from 460 micrograms per kilogram (µg/kg) to 360,000 µg/kg. Analytical results of SPH samples collected in 1994 indicate that the SPH in the plume consists of a slightly degraded No. 2 fuel oil.

Significant SPH recovery activities have been completed both as Interim Remedial Measures (IRMs) before the October 2007 OU-3 RAWP, and as part of the final OU-3 remedy following the October 2007 OU-3 RAWP. These SPH remedial activities included SPH recovery using a dual phase vacuum extraction system (DPVE), soil/SPH excavation, surfactant enhanced SPH recovery, bioremediation, and manual SPH bailing/recovery. As a result of this work, an estimated total of 14,920 gallons of SPH has been recovered, and therefore, the extent of the SPH plume has been reduced significantly. Currently, the SPH plume consists of only one small, isolated occurrence of SPH (less than 0.1 feet thickness), as shown on Figure 4, which presents the current SPH plume configuration (as measured on December 15, 2020). To fully achieve the remedial requirements outlined in the OU-3 Record of Decision (ROD) prepared by NYSDEC dated

March 2007, Roux Environmental Engineering and Geology, D.P.C. (Roux) is actively monitoring SPH occurrences. SPH occurrences with apparent measured thickness of great than 0.1 feet will be addressed through the use of surfactant enhanced SPH recovery, as necessary.

2.2.2 Soil

The Site-specific action soil cleanup objective for the Site are lead: 3,900 ppm; PCBs: 25 ppm; and total SVOCs: 500 ppm. In 2008, a 0.2-acre area of hydrocarbon-impacted surface soil was visually delineated to the north, west and east of the former Engine House, partly within the bounds of the historic SPH plume and partly within the limits of the mobile SPH plume. Based on observations from soil borings completed during multiple investigations, the average depth of hydrocarbon impacts was one ft bls, within the unsaturated zone. Surficial hydrocarbon-impacted soil was excavated to a depth of two ft bls, transported off-site and properly disposed of as part of the approved remedy for OU-3. The excavation was then backfilled with clean fill and brought to grade. The extent of the surface soil excavation is presented on Figure 3.

In 2010, a PCB soil hot spot (measuring 24-feet long by 21.5-feet wide by approximately 1-foot deep) was excavated in OU-3 in accordance with the OU-3 RAWP. Also, in 2010, a lead soil hot spot (measuring 24-feet long by 21-feet wide by 2-feet deep) was excavated in accordance with the OU-3 RAWP. The extent of these former OU-3 hot spot excavations are presented on Figure 3.

A 0.5-acre area of hydrocarbon-impacted soil was visually delineated to the north, west, and east, within the bounds of the historic SPH plume. In 2016 this soil, visually observed to be hydrocarbon-impacted and a potential source for SPH, was excavated to a depth of five ft bls, transported off-site and properly disposed of as part of the approved remedy for OU-3. The excavation was then backfilled with clean fill and brought to grade. The extent of the excavation and remaining residual SPH occurrence is presented on Figure 4.

2.2.3 PCB Remedial Zones

The OU-4 RAWP provided the scope of work for the excavation and off-site disposal of PCB impacted soil at twelve locations (Remedial Zones PCB-1 through PCB-12) and lead impacted soil at one location (Remedial Zone Lead-20). As of September 2020, seven Remedial Zones (PCB-1 through PCB-3 and PCB-5 through PCB-9) have been completed, which has been documented in previous Construction Completion Reports. Due to access limitations, impacted soil at Remedial Zones PCB-4, PCB-10, PCB-11 PCB-12, and Lead-20 remain at the Site. These remaining Remedial Zones within OU-4 are not within the proposed limits of construction for the Acela / Ready Tracks project.

2.2.4 Groundwater

Groundwater beneath the entire Yard is defined as OU-6. Groundwater in OU-6 at the Yard (including OU-3 and OU-4) is slightly impacted at concentrations above the NYSDEC GA standards and is impacted by several upgradient sources, including Standard Motor Products (Site No. 241016, Class 2 Site on NYSDEC Registry of Inactive Hazardous Waste Disposal Sites) by contamination (primarily chlorinated volatile organic compounds [CVOCs], benzene, toluene, ethylbenzene, and xylenes [BTEX], and metals). The extent of the off-site plume impacting the Yard is presented on Figure 3. As per the OU-6 ROD issued by NYSDEC dated March 2010, a no action remedy with monitoring was selected for OU-6 (including groundwater in the area of OU-3). Roux is currently implementing this groundwater monitoring program at the Yard.

2.2.5 Subsurface Structures

Former subsurface structures located in OU-3 were investigated and some were removed. The following is a listing of structures formerly located in OU-3:

- Interior and exterior Engine House service pits (removed in 2008 and 2010);
- Oil House basement (removed in 2008);
- Metro Shed inspection pit (cleaned and backfilled in 1997, partially removed in 2010); and
- Fuel transfer pump vaults (removed in 2010).

Locations of all former subsurface structures are provided on Figure 3. Additionally, this figure shows the approximate locations know remaining subsurface structures in OU-3.

2.2.5.1 Underground Storage Tanks

Nine USTs with capacities ranging from 7,800 to 11,000 gallons were in the two former UST areas, west (three USTs, Nos. 1, 2, and 3) and east (six USTs, Nos. 4 through 9) in OU-3. Locations of all nine USTs are shown on Figure 3. It was reported that UST Nos. 1 through 5 formerly contained No. 2 fuel oil, while Tank Nos. 6 through 9 formerly contained No. 4 fuel oil. In addition, the former Boiler House UST (20,000-gallon No. 2 fuel oil tank) located within OU-4, which was previously abandoned in place, was removed as part of the Mass Transit Authority (MTA) East Side Access (ESA) Project.

On September 3, 2008, removal of the USTs began with UST No. 9. The steel plates covering the manways to the USTs were removed. Any soil overlying the UST and surrounding concrete was removed to access the UST. Once accessed, the surrounding soil was removed to allow removal of the tank. All soil that was removed was stockpiled and visually inspected for impacts (i.e., staining and odors). UST No. 9 was removed and staged on level ground to allow inspection for evidence of cracks or holes. Immediately after inspection, UST No. 9 was rendered unusable by puncturing and cutting the tank into sections. UST No. 9 was cut into manageable pieces and stockpiled for offsite disposal.

Upon opening the top of UST No. 8, it was determined that it had been previously filled with sand and the contractor began removing and stockpiling the sand for offsite disposal. At this time, the Remedial Action was temporarily suspended by the NYSDEC following unsubstantiated nuisance odor complaints from some of the occupants of the 33-00 Northern Boulevard Building. Prior to discontinuing work, however, UST No. 8 was abandoned in place (removal was not permitted due to the unsubstantiated nuisance odor complaints). The entire excavated area was backfilled with ¾-inch stone to grade.

On December 15, 2010, excavation activities were conducted to abandon the remaining seven USTs that had not been addressed during the 2008 remedial activities described above (i.e., UST Nos. 1 through 7). Due to the shallow water table at OU-3, de-watering of the excavation was necessary which was accomplished using centrifugal pumps connected to an oil/water separator (OWS) that allowed for the separation of SPH and water. Water was then transferred from the OWS to temporary storage tanks (Frac tanks) to await proper disposal. SPH was removed from the OWS using a vacuum truck and was disposed of as a PCB hazardous waste.

Each of the seven remaining USTs were unearthed and access to the tanks was created by cutting a lateral opening. Each UST was backfilled with ¾-inch stone to grade. Each of the seven abandoned USTs was

constructed of single walled-steel with rivets at the seams. Additional details regarding the USTs and their current status are provided on Table 2 below. UST locations area shown on Figure 3.

UST ID	Dimensions	Estimated Capacity	Depth to Top of UST	Current Status
UST No. 1	24-ft. long by 8-ft. in diameter	9,000 gallons	8 ft. bls.	Abandoned with ¾-inch stone to grade
UST No. 2	21-ft. long by 8-ft. in diameter	7,800 gallons	7 ft. bls.	Abandoned with ¾-inch stone to grade
UST No. 3	24-ft. long by 8-ft. in diameter	9,000 gallons	8 ft. bls.	Abandoned with ¾-inch stone to grade
UST Nos. 4 through 7	30-ft. long by 8-ft. in diameter	11,000 gallons	8 ft. bls.	Abandoned with ¾-inch stone to grade
UST No. 8	30-ft. long by 8-ft. in diameter	11,000 gallons	8 ft. bls.	Abandoned with ¾-inch stone to grade
UST No. 9	30-ft. long by 8-ft. in diameter	11,000 gallons	8 ft. bls.	Removed. Excavation backfilled with ¾-inch stone to grade

2.2.6 Contamination Remaining at the Yard

Upon completion of the remedial activities described above, only a small portion of the SPH plume remains (one small, isolated area of SPH remains, as show in in Figure 4). Physical evidence of residual petroleum and/or petroleum odor was noted in soil at depth of up to 10 feet bls or greater in some isolated areas, within the historical boundary of the SPH plume. All previously identified soil exceedances of the Yard constituents of concern (COCs) in OU-3 have been remediated and are no longer present in OU-3 area of Yard.

As discussed above, there are a total of five remaining areas where soil is present in excess of the Yard soil cleanup levels (i.e., Remedial Zones) in OU-4; however, none are present within the proposed limits of construction (i.e., area of disturbance).

As part of OU-6, low-level residual impacts remain in groundwater, however, they have been delineated and are subject only to a monitoring only remedy, as per the OU-6 ROD (Roux is currently implementing this groundwater monitoring program as part of OU-6).

After completion of the Yard Remedial Action, Engineering, and Institutional Controls (ECs/ICs) will be required to address contamination remaining at the Yard. Long-term management of these EC/ICs and residual contamination will be performed in accordance with a NYSDEC-approved SMP.

2.2.7 In Situ Soil Characterization and Delineation Sampling

In May/June 2021, all proposed excavated material for the Acela/Ready Tracks project was sampled in situ for reuse and waste characterization evaluation purposes. During soil characterization activities, one soil characterization sample was collected for every approximate 800 cubic yards of soil for reuse and disposal evaluations. Soil characterization samples were submitted for laboratory analysis for Yard-specific criteria compounds (total SVOCs, PCBs and lead) and typical disposal facility requirements, which included target

compound list (TCL) volatile organic compounds (VOCs), pesticides/herbicides, target analyte list (TAL) metals, TCLP RCRA 8 metals, and RCRA characteristics (e.g., reactivity, corrosivity and ignitability) as well as additional analytical parameters required to allow for material acceptance into a specific proposed treatment, storage, and disposal facility (TSDF) including Pennsylvania landfills. Soil sampling methodologies and results are described in the In Situ Soil Characterization Summary Report (Summary Report) dated September 20, 2021 prepared by Roux and included in Appendix D of this EWP. All soil characterization samples (Yard-specific criteria compounds: total SVOCs, PCBs and lead) were validated. A data usability summary report (DUSR) is provided in Appendix D. As indicated in the Summary Report, one composite soil sample, WC-21_0-5, collected from the 0-5 ft bls interval within soil characterization grid cell, WC-21, had a PCB detection of 79 milligrams per kilogram (mg/kg) exceeding Yard-specific soil cleanup objective (25 mg/kg) and one composite soil sample WCR-10_0-8 collected from the 0-8 ft bls interval within soil characterization grid cell, WCR-10, had a TCLP lead detection exceeding United State Environmental Agency (USEPA) criteria. Of note, total lead from sample WCR-10_0-8 was detected at a concentration of 109 mg/kg, which is significantly below the Yard-specific criteria of 3,900 mg/kg. Soil characterization data for Yard-Specific criteria (total VOCS, PCBs and lead and TCLP lead) are summarized on Figures 1 through 8 included in Appendix C.

On November 2 to November 5, 2021, delineation soil sampling activities were completed around WC-21 and WCR-10 to define to boundaries of the PCB (WC-21) and TCLP lead (WCR-10) exceedances for waste characterization delineation purposes. A total of eight PCB delineation samples were collected for laboratory analysis from eight soil borings installed around the perimeter of grid cell WC-21 and advanced to depths of five ft bls. A total eight lead delineation samples were collected for laboratory analysis (total lead and TCLP lead) from five soil borings installed on the eastern, southern, and western sides of grid cell WCR-10 that were adjacent to other grid cells and advanced to depths of eight ft bls. Soil sampling methodologies and results for the PCB and TCLP lead delineation activities are described in the PCB Delineation Soil Sampling Summary Memorandum dated November 11, 2021 and TCLP lead Delineation Soil Sampling Summary Memorandum dated November 17, 2021, which are included in Appendix D of this EWP. Based on the sample results, there were no PCB or TCLP lead detections above Yard-specific criteria (for PCBs) or USEPA criteria (for TCLP lead) and the areas were delineated to the extent of each grid cell boundary (see Figures 1 and 3 in Appendix C).

Based on the Soi Characterization and delineation results, all soil, except soil from the 0-5 ft bls interval within WC-21 and the 0-8 ft bls interval within WCR-10, proposed to be excavated during the Acela/Ready Tracks work meets Yard-specific criteria for reuse as backfill up to one-foot bls.

3. Soil/Materials Management Methods

Since remaining contamination exists at the Site, any future intrusive work that will encounter or disturb the remaining contamination will be performed in compliance with this EWP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a project specific Health and Safety Plan (HASP) prepared by the contractor and Community Air Monitoring Plan (CAMP – see Appendix E) prepared for the Site.

Amtrak and associated parties preparing the remedial documents submitted to the NYSDEC, and parties performing this work, are completely responsible for the safe performance of all intrusive work, the structural integrity of excavations, proper disposal of excavation waste (water and soil), control of runoff from open excavations into remaining contamination, and for structures that may be affected by excavations (such as building foundations and bridge footings). The following sections provide the Soil Management Plan to be implemented during all intrusive work.

3.1 Soil Screening Methods

All excavated material, not already characterized, will be sampled for reuse and/or waste characterization purposes prior to being reused on-site or transportation for off-site disposal. *In-situ* sampling for waste characterization should be performed whenever feasible to allow for direct load out of soils, reducing the size and duration of stockpiling that may be a cause of odor concerns. It is estimated that one soil characterization sample will be collected for every approximate 800 cubic yards of soil and concrete for reuse or disposal. At a minimum, waste characterization samples will be submitted for analysis for the typical disposal facility requirements, which will include target compound list (TCL) volatile organic compounds (VOCs), SVOCs, pesticides/herbicides, PCBs, target analyte list (TAL) metals, TCLP RCRA 8 metals, and RCRA characteristics (e.g., reactivity, corrosivity and ignitability); however, additional analytical parameters will be added if required to allow for material acceptance into a specific proposed treatment, storage, and disposal facility (TSDF). Dedicated sampling equipment will be used for collection of each soil characterization sample.

Visual, olfactory and instrument-based (e.g., photoionization detector) soil screening will be performed by a qualified environmental professional (designated environmental representative of Amtrak) during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Section 6.

3.2 Soil Staging Methods

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Silt fencing will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps and, if necessary, vapor suppressant foam should be applied to minimize the migration of vapors off-site. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC.

If SPH impacted soil (stained/odorous soil) is encountered during excavation activities within OU-3, the material will be loaded into lined containers with tight fitting covers and taken offsite for disposal at a permitted facility.

3.3 Materials Excavation and Load-Out

Any proposed soil excavation on the Site will be conducted in accordance with this EWP.

A qualified environmental professional (designated environmental representative of Amtrak) or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this EWP is posed by utilities or easements on the Site.

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

3.4 UST Removal

Eight previously abandoned in place USTs with capacities ranging from 8,200 to 17,600 gallons are located in OU-3, within the historic plume (see Figure 3). All UST removal and soil handling, if needed to facilitate construction, shall be conducted in accordance with this EWP. Odor suppressant foam (or other methods with equivalent effectiveness) will be utilized as required to suppress odors during UST removal activities. Following UST removal activities, if any, endpoint samples will be collected from the excavation in accordance with DER-10. Chemical analysis will be performed on all endpoint samples for a full list of analytes (TCL VOC, TCL SVOCs, TAL metals and PCBs). TCL SVOCs, lead, and PCBs will be compared to Yard-specific criteria, all other compounds will be compared to NYSDEC CP-51 guidance criteria. Identification of unknown or unexpected contaminated media identified by screening during UST removal activities will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of

petroleum product will also be reported to the NYSDEC spills hotline. Petroleum Bulk Storage (PBS) records will be updated for all UST removals.

3.5 Materials Transport Off-Site

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements).

Truck transport routes must be established before transporting any materials off-site. This route should be the most appropriate route and take into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

3.6 Materials Disposal Off-Site

All material excavated and removed from the Site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State and Federal regulations. If disposal of material from this Site is proposed for unregulated off-site disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this Site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e., hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C&D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Construction Completion Report (see Section 9) and the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Parts 360, 361, 362, 363, 364 and 365. Material that does not meet Unrestricted

SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6NYCRR Part 361-5 registered or permitted facility).

3.7 Materials Reuse On-Site

The qualified environmental professional (designated environmental representative of Amtrak) will ensure that procedures defined for materials reuse in this EWP are followed and that unacceptable material does not remain on-site. All soil to be excavated at the Site during the construction phase will be sampled for reuse and/or waste characterization purposes prior to transportation for off-site disposal. *In-situ* sampling for waste characterization should be performed whenever feasible to allow for direct load out of soils, reducing the size and duration of stockpiling that may be a cause of odor concerns. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, and within landscaping berms. Excavated soils to be re-used on-site must meet all Site-specific action soil cleanup levels (lead ≤3,900 mg/kg, PCBs ≤25 mg/kg, and total SVOCs ≤500 mg/kg), exhibit no gross contamination from petroleum constituents, and comply with the appropriate Record of Decision (ROD) for the Yard. As discussed in Section 2.2.7 of this EWP, all soil, except soil from the 0-5 ft bls interval within WC-21 and the 0-8 ft bls interval within WCR-10, proposed to be excavated during the Acela/Ready Tracks work meets Yard-specific criteria for reuse as backfill up to one-foot bls.

In addition, any area disturbed at the Yard will require a one-foot layer (top cover) of documented clean soil, suitable for railroad operations, from a documented source. A one-foot layer of clean soil, suitable for railroad operations, was imported on-site and placed on the compacted backfill material during previous excavation activities (see Figure 4 for the extent of the clean fill). This one-foot layer of clean soil may be excavated, stockpiled on-site, and used as backfill.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site will not be reused on-site.

3.8 Fluids Management

Dewatering will be required during excavation activities to facilitate work below the groundwater table. Prior to dewatering activities, at least five untreated groundwater samples will be collected within the proposed construction area at the Yard and submitted for laboratory analysis to evaluate if the groundwater meets NYCDEP sewer discharge requirements. Additionally, this groundwater data may be used by the CM to support Long Island Well Permit Application, if required for the Acela 21/Ready Tracks project. Extracted groundwater will be treated on-site as necessary to meet NYCDEP requirements and discharged to the NYCDEP sewer system. Dewatered fluids will not be recharged back to the land surface or subsurface of the Site. Prior to discharge to the sewer system, Amtrak's contractor will secure all required permits from the NYCDEP.

Construction wastewater will be generated from personnel/equipment decontamination. Construction wastewater will be collected and stored on-site in leak-tight drums or temporary storage tanks. The wastewater will be sampled and submitted for analysis for disposal/discharge characterization. Based on the laboratory analytical results, the construction wastewater will be disposed off-site at a permitted disposal/recycling facility or discharged to the on-site sewer system upon approval from NYCDEP.

SPH, where encountered, will be collected, and stored separately during dewatering activities. The SPH has the potential to be classified as a NYS B003 hazardous waste and TSCA waste. The SPH will be extracted and containerized to preclude commingling of the SPH with other liquid waste. Waste characterization samples will be collected to confirm waste classifications and determine appropriate means of disposal.

All liquids, not suitable for discharge, which are not directly removed and disposed off-site in vacuum trucks will be stored in temporary on-site tanks to await disposal. Containers used for storing construction wastewater will conform to both federal and state requirements. All storage tanks or containers will be decontaminated following disposal/discharge of wastewater.

All liquids to be removed from the Site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported, and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream, or river) will be performed under a SPDES permit.

3.9 Cover System Restoration

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the Record of Decision. The existing cover system is comprised of a minimum of 12 inches of clean soil, ballast stone, asphalt pavement, concrete covered sidewalks, and/or concrete building. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated Interim SMP for OU-3 and OU-4.

3.10 Backfill from Off-Site Sources

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this EWP prior to receipt at the Site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are listed in Table 375-6.8(b) of 6 NYCRR Part 375. Non-compliant soils will not be imported onto the Site without prior approval by NYSDEC. In accordance with NYSDEC DER-10, gravel, rock, or stone, consisting of virgin material from a permitted mine or quarry may be imported, without chemical testing, to be used as backfill beneath pavement, buildings or as part of the final Site cover, provided it contains less than 10% fines. Soils that meet “exempt” fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

3.11 Stormwater Pollution Prevention

Based on NYSDEC's email dated March 11, 2021, a stormwater pollution prevention plan/Construction General Permit is not required for the Acela / Ready Tracks work. However, Amtrak will employ best management practices (soil erosion and sediment control measures) for management of storm water in accordance with the Standards and Specifications for Erosion and Sediment Control, dated November 2016, the New York State Stormwater Design Manual, dated January 2015. Hay bales and/or silt fence will be placed and maintained by the remedial contractor at locations upgradient of excavation areas to control storm water runoff and surface water from entering or exiting the excavation. These control measures shall be installed prior to initiating the soil excavation. Any collected surface water will be managed as discussed in Section 3.8.

Accumulated sediments will be removed as required to keep the barrier and check dam functional. All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the construction plans shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

4. Excavation Contingency Plan

If previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment, and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals, TCL VOC and SVOCs, TCL pesticides and PCBs), unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

5. Community Air Monitoring Plan

An air monitoring program will be implemented during all intrusive activities at the Site to measure the concentration of particulates and organic vapors in ambient air in and around the work zone(s).

The Community Air Monitoring Plan (CAMP) should be conducted in accordance with the Site-specific CAMP included as Appendix E of this EWP. The Site-specific CAMP was prepared in accordance with the NYSDOH Generic Community Air Monitoring Plan included as Appendix 1A of the NYSDEC DER-10. In accordance with NYSDOH Generic Community Air Monitoring Plan and as indicated in the Site-specific CAMP, CAMP requires a dedicated air monitoring technician (i.e., qualified environmental professional) to implement real time air monitoring at the Site's upwind and downwind perimeter. The CAMP must include VOCs, particulates, and meteorological data be recorded on a daily basis while intrusive work is being conducted. Action levels for VOCs and particulates are specified in the Site-specific CAMP (Appendix E). Meteorological data consisting of wind speed, wind direction, temperatures, barometric pressures, and relative humidity shall be collected as part of the CAMP. During all phases of work, the CM will be responsible for mitigating any vapor and particulate issues, via suppression techniques as defined in the Site-specific CAMP. CAMP locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

6. Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors off-site and on-site. Specific odor control methods to be used on a routine basis will include assigning a dedicated air monitoring technician (i.e., qualified environmental professional) to monitor odors, active removal of SPH within excavations when encountered, and maintaining covers over stockpiled SPH impacted soils. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

If nuisance odors develop during intrusive work, or if odor complaints are received, all necessary means will be employed to control on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to lined trucks/containers with tight fitting covers for off-site disposal; (e) use of chemical odorants in spray or misting systems; and (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

7. Dust Control Plan

Dust will be controlled by spraying a water mist over the work area if perimeter action levels established in the CAMP are exceeded (see Appendix E). The water mist will be generated by connecting a misting device to a hose, which will be connected to any potable water source. The degree to which these measures will be used will depend on particulate levels in ambient air at the perimeter of the Site as determined through implementation of the CAMP.

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road/work area wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

8. Other Nuisances

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

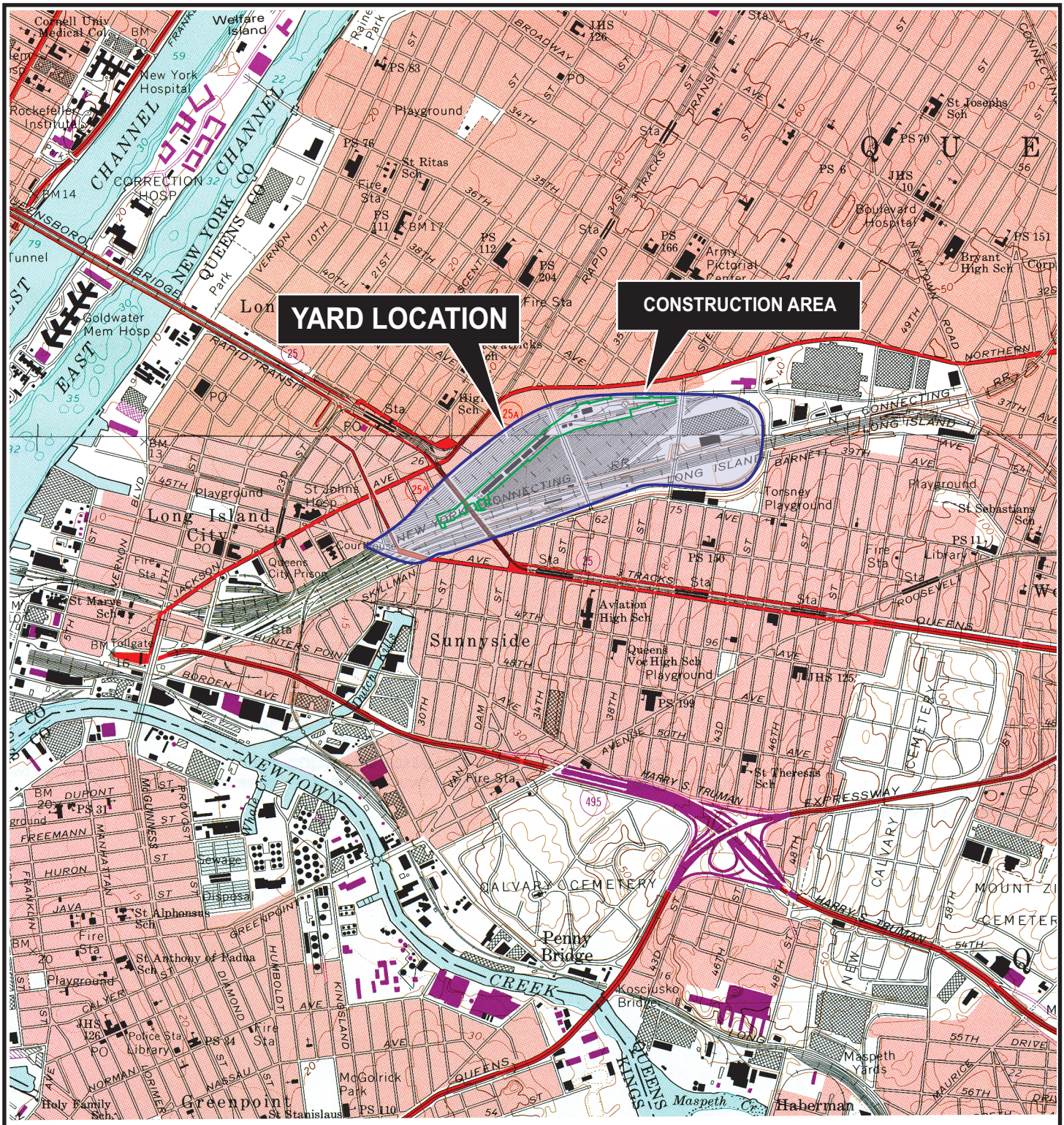
9. Reporting

During excavation activities, daily reports will be submitted to the NYSDEC, which will include a summary of each day's material removal from or importation to the Site as well as CAMP results. Daily reports will be submitted to the NYSDEC by 12:00pm the following day excavation/soil handling work is completed at the Site.

Following completion of all excavation and backfilling activities, all excavation and disposal activities completed for the Acela/Ready Tracks work, including removal and disposal of WC-21 PCB and WCR-10 TCLP lead hot spots, will be documented in a Construction Completion Report, that will be submitted to the NYSDEC.

FIGURES

1. Location of Site and Construction Area
2. Approximate Construction Area for Acela/Ready Tracks
3. Configuration of Historic Plume and Subsurface Structures
4. Current SH Plume Occurrence and Extent of SPH Source Zone Excavation



QUADRANGLE LOCATION

SOURCE:
USGS; Brooklyn, NY
USGS; Central Park, NY
7.5 Minute Topographic Quadrangle

N

0 2000’

Title:

LOCATION OF SITE AND CONSTRUCTION AREA

EXCAVATION WORK PLAN FOR OU-3 AND OU-4

Prepared for:

AMTRAK SUNNYSIDE YARD
QUEENS, NEW YORK

ROUX

Compiled by: J.W.	Date: 25AUG20	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr.: J.W.	Project No.: 0055.0148Y000	
File: 0055.0148Y100.01.CDR		

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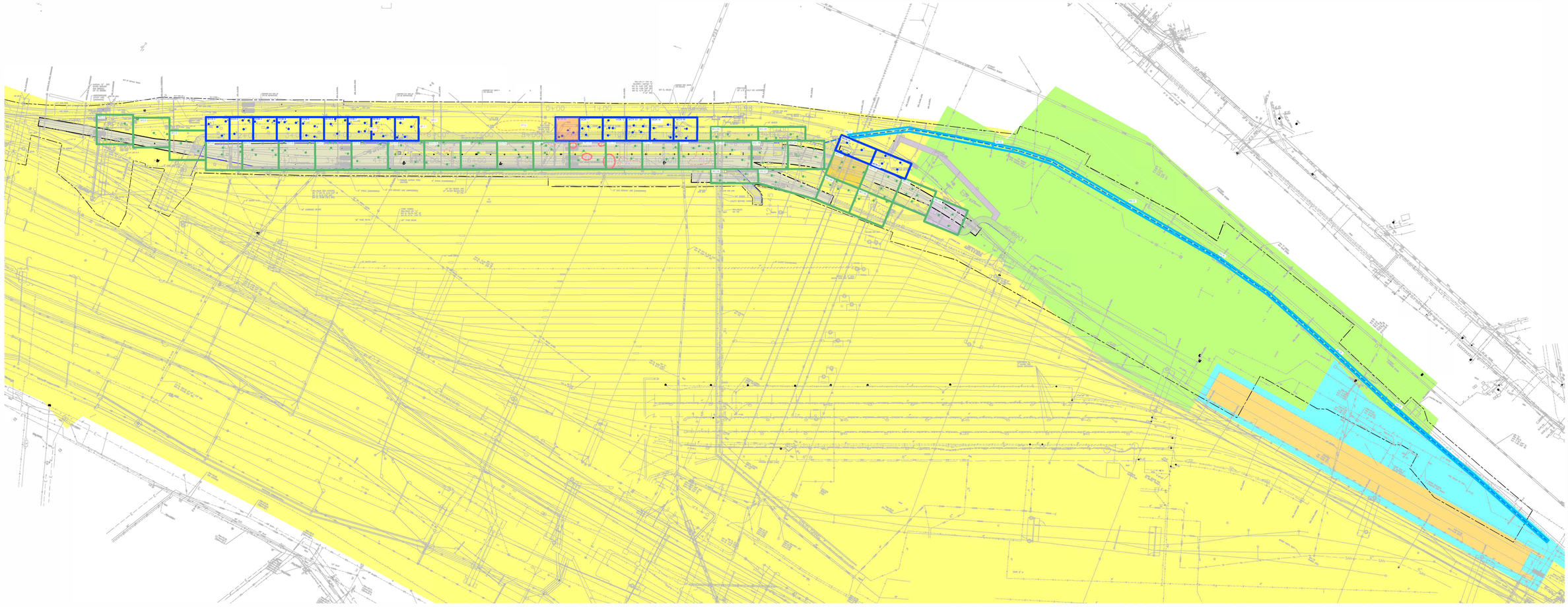

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM 0–5 FT BLS, 5–10 FT FT BLS, AND/OR 10–18 FT BLS
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–8 FT BLS INTERVAL
- WC-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5–18 FT BLS)
- WCR-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- WL-5 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- TCLP LEAD HOT SPOT TO 8 FT BLS
- PCB HOT SPOT TO 5 FT BLS
- STOCKPILE BOUNDARY
- PROPOSED LIMITS OF CONSTRUCTION
- OU-1 AREA
- OU-2 AREA
- OU-3 AREA
- OU-4 AREA

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE

- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5–10 FT BLS AND/OR 10–18 FT BLS SAMPLE INTERVALS.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

100' 0 100'

Title:

APPROXIMATE CONSTRUCTION AREA

EXCAVATION WORK PLAN FOR OU-3 AND OU-4

Prepared For:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.02.DWG		

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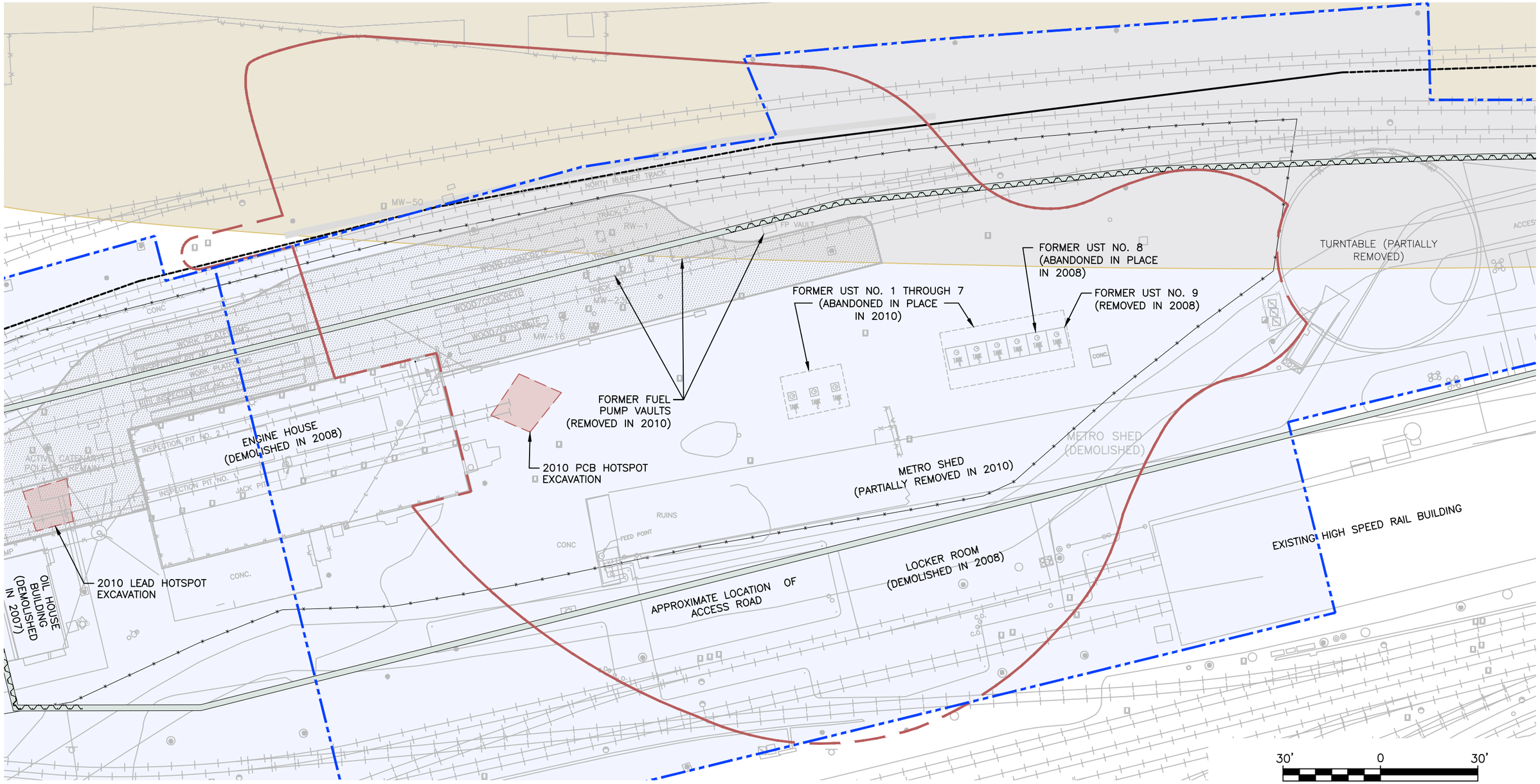

LEGEND

- PROPOSED LIMITS OF CONSTRUCTION
- APPROXIMATE BOUNDARY OF HISTORIC SPH PLUME (ZERO CONTOUR)
- APPROXIMATE EXTENT OF VISUAL HYDROCARBON-IMPACTED SURFACE SOIL EXCAVATED 2FT BLS 2009
- HISTORIC EXTENT OF TOTAL CHLORINATED VOCs IN GROUNDWATER AT THE WATER TABLE

NOTES

SPH	–	SEPARATE-PHASE HYDROCARBON
OU-3	–	OPERABLE UNIT 3
OU-4	–	OPERABLE UNIT 4

N

Title:

CONFIGURATION OF HISTORIC PLUME AND SUBSURFACE STRUCTURES

EXCAVATION WORK PLAN FOR OU-3 AND OU-4

Prepared for:

AMMTRAK SUNNYSIDE YARD
QUEENS, NEW YORK

ROUX

Compiled by: J.W.	Date: 25AUG20	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	3
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.03.DWG		

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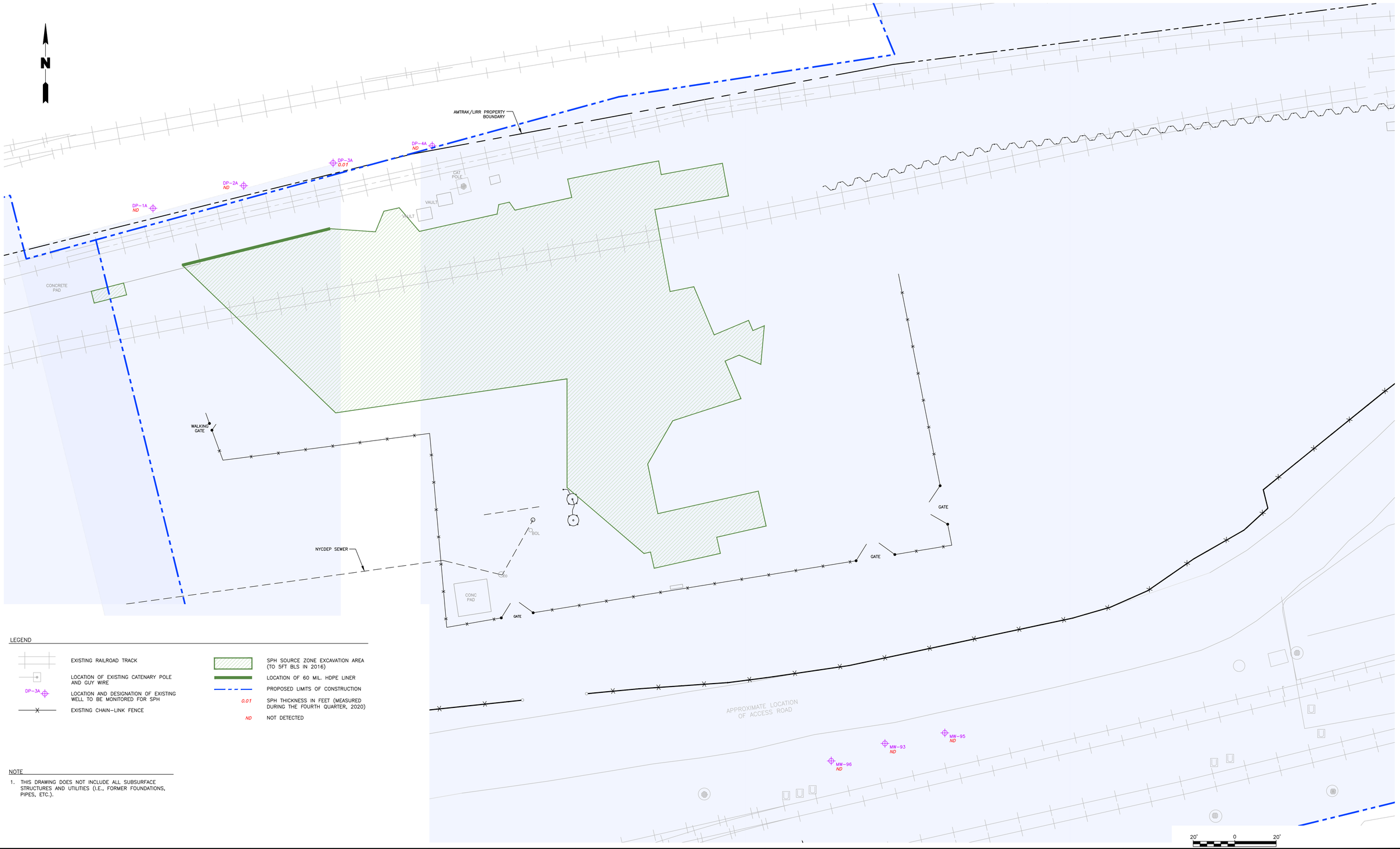

LEGEND

- EXISTING RAILROAD TRACK
- LOCATION OF EXISTING CATENARY POLE AND GUY WIRE
- DP-3A — LOCATION AND DESIGNATION OF EXISTING WELL TO BE MONITORED FOR SPH
- EXISTING CHAIN-LINK FENCE
- SPH SOURCE ZONE EXCAVATION AREA (TO 5FT BLS IN 2016)
- LOCATION OF 60 MIL. HDPE LINER
- PROPOSED LIMITS OF CONSTRUCTION
- 0.01 — SPH THICKNESS IN FEET (MEASURED DURING THE FOURTH QUARTER, 2020)
- ND — NOT DETECTED

NOTE

1. THIS DRAWING DOES NOT INCLUDE ALL SUBSURFACE STRUCTURES AND UTILITIES (i.e., FORMER FOUNDATIONS, PIPES, ETC.).

NO.	DATE	REVISION DESCRIPTION	INT.
2	6/17	REVISE EXCAVATION AREA	
1	1/21	REVISE EXCAVATION AREA AND SPH BARRIER	

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PROJ. ENGINEER:	J.W.	DRAWN BY:	G.M.
DESIGNED BY:	J.W.	CHECKED BY:	J.W.
DRAWING SCALE:	AS SHOWN	PLOT SCALE:	1:1
DRAWING DATE:	17DEC20	PRINT TYPE:	CLR
OFFICE:	NY	PAPER SIZE:	ARCH D
PROJECT NO.:	0055.0148Y000		
DRAWING FILE:	0055.0148Y100.04.DWG		

ROUX
Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

PROJECT NAME:
EXCAVATION WORK PLAN FOR OU-3 AND OU-4

PROJECT FOR:
AMTRAK SUNNYSIDE YARD
QUEENS, NEW YORK

TITLE:
CURRENT SPH OCCURENCE AND EXTENT OF SPH SOURCE ZONE EXCAVATION

FIGURE
4

V:\CAD\PROJECTS\0055Y\0148Y\100\0055.0148Y100.04.DWG

APPENDICES

A. Site-Related Contact Information

B. Proposed Acela / Ready Tracks Design Drawings

C. Proposed Acela / Ready Tracks Limits of Excavation Figures and Sample Results

D. In Situ Soil Characterization Summary Report and Soil Delineation Memorandums

E. Site-Specific Community Air Monitoring Plan

APPENDIX A

Site-Related Contact Information

Table 1. Site Contact List - Sunnyside Yard, Long Island City, New York

Contact Name	Affiliation	Contact Number	Email
Craig Caldwell	Amtrak	215-349-6968	CaldweC@amtrak.com
Claudia Taccetta	Amtrak	917-453-3951	Claudia.Taccetta@amtrak.com
Charles McGuckin	Roux Environmental	631-630-2346	cmcguckin@rouxinc.com
Robert Kovacs	Roux Environmental	631-630-2320	rkovacs@rouxinc.com
Jeff Wills	Roux Environmental	631-630-2366	jwills@rouxinc.com
Jane O'Connell	NYSDEC	718-482-4599	jane.oconnell@dec.ny.gov
Hasan Ahmed	NYSDEC	718-482-6405	hasan.ahmed@dec.ny.gov
Arunesh Ghosh	NYSDOH	518-486-1443	Arunesh.Ghosh@health.ny.gov

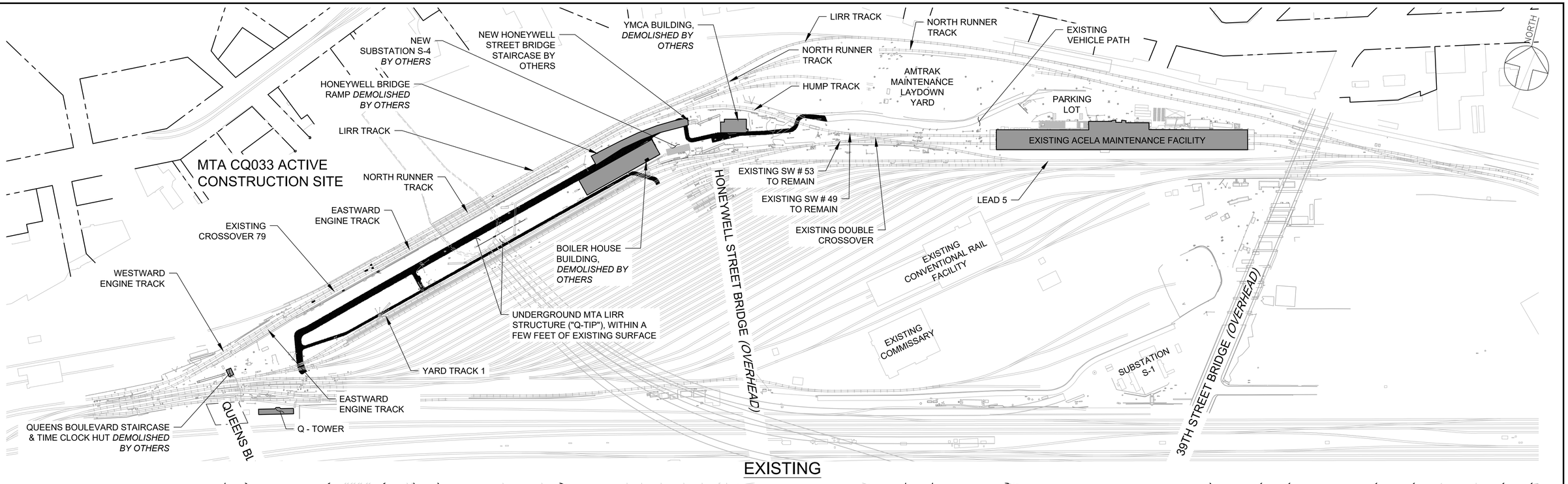
Notes

NYSDEC - New York State Department of Environmental Conservation

NYSDOH - New York State Depatement of Health

APPENDIX B

Proposed Acela / Ready Tracks Design Drawings



60% DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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Office of Chief Engineer
STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
-	

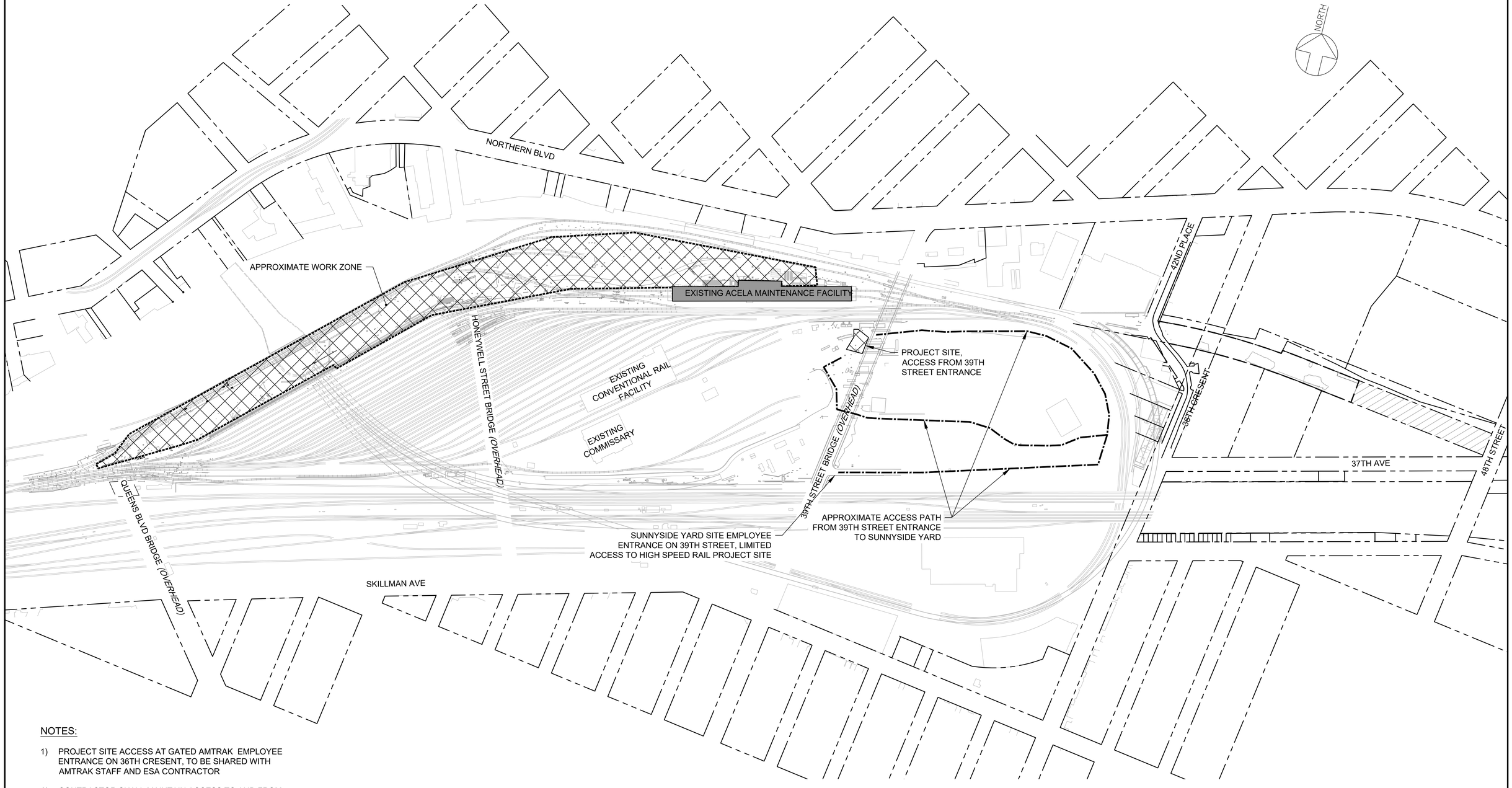
In Joint Venture
Gannett Fleming STV
in association with
WSP SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
LOCATION PLAN

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-602

FILE NAME: C-602 - SSY-07-C-602-610-STG



NOTES:

1) PROJECT SITE ACCESS AT GATED AMTRAK EMPLOYEE ENTRANCE ON 36TH CRESENT, TO BE SHARED WITH AMTRAK STAFF AND ESA CONTRACTOR

2) CONTRACTOR SHALL MAINTAIN ACCESS TO AND FROM THE EXISTING HIGH SPEED RAIL MAINTENANCE FACILITY FOR THE DURATION OF THE PROJECT.

3) CONTRACTOR ACCESS TO CONSTRUCTION SITE WILL BE VIA LOCAL STREETS.

SITE ACCESS AND WORK ZONE

200 100 0 200 400
SCALE IN FEET
SCALE 1" = 200'

60%
DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
-	

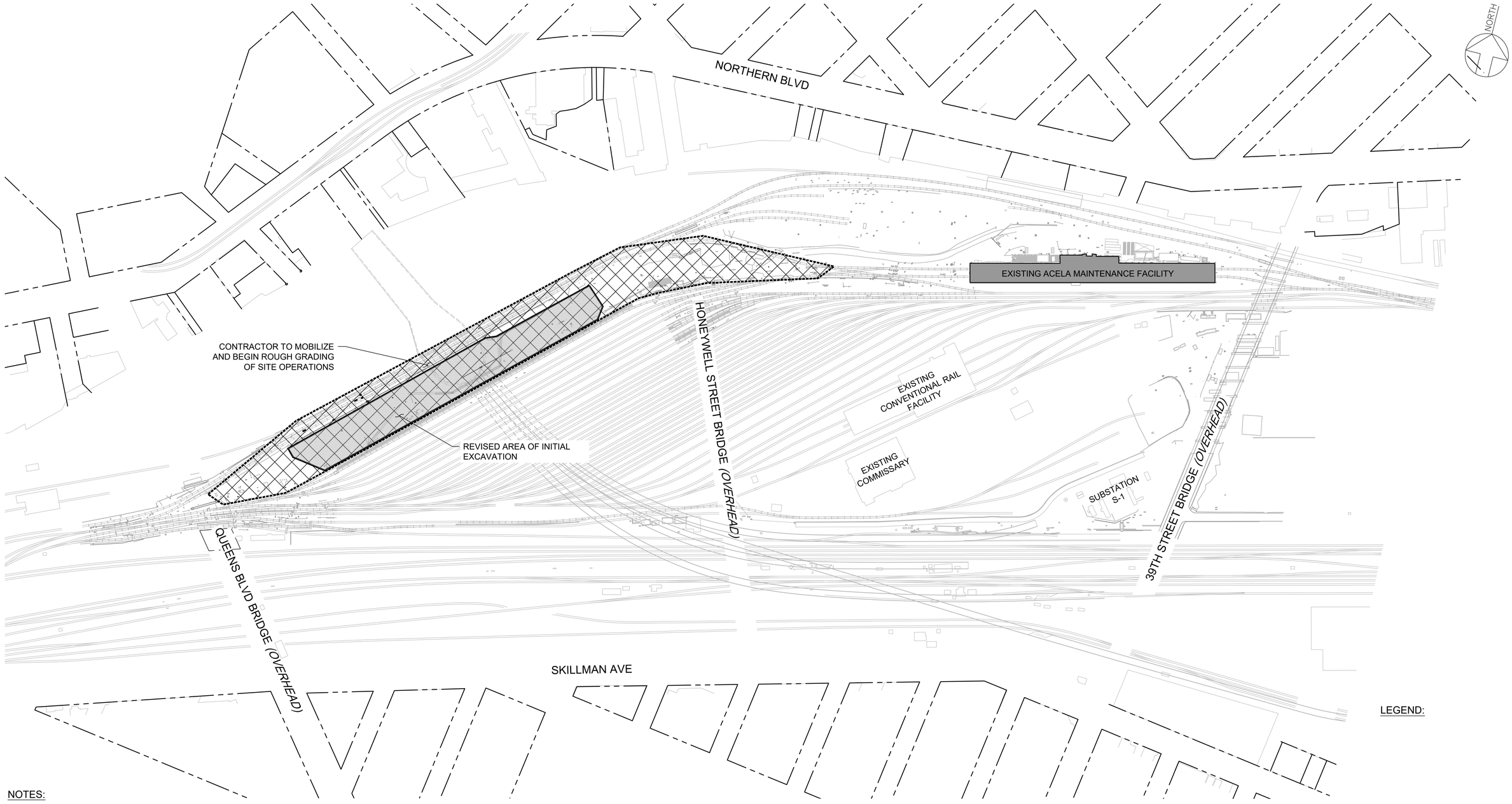
In Joint Venture
Gannett Fleming STV
in association with
WSP SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SITE ACCESS AND WORK ZONE

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-603

FILE NAME: C-603 - SSY-08-C-602-610-STG



LEGEND:

NOTES:

1) SEE PHASING NOTES ON SHEETS C-600 & C-601.

PHASE I: SITE MOBILIZATION & EXCAVATION

150 75 0 150 300

SCALE IN FEET
SCALE 1" = 150'

60% DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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Office of Chief Engineer
STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
-	

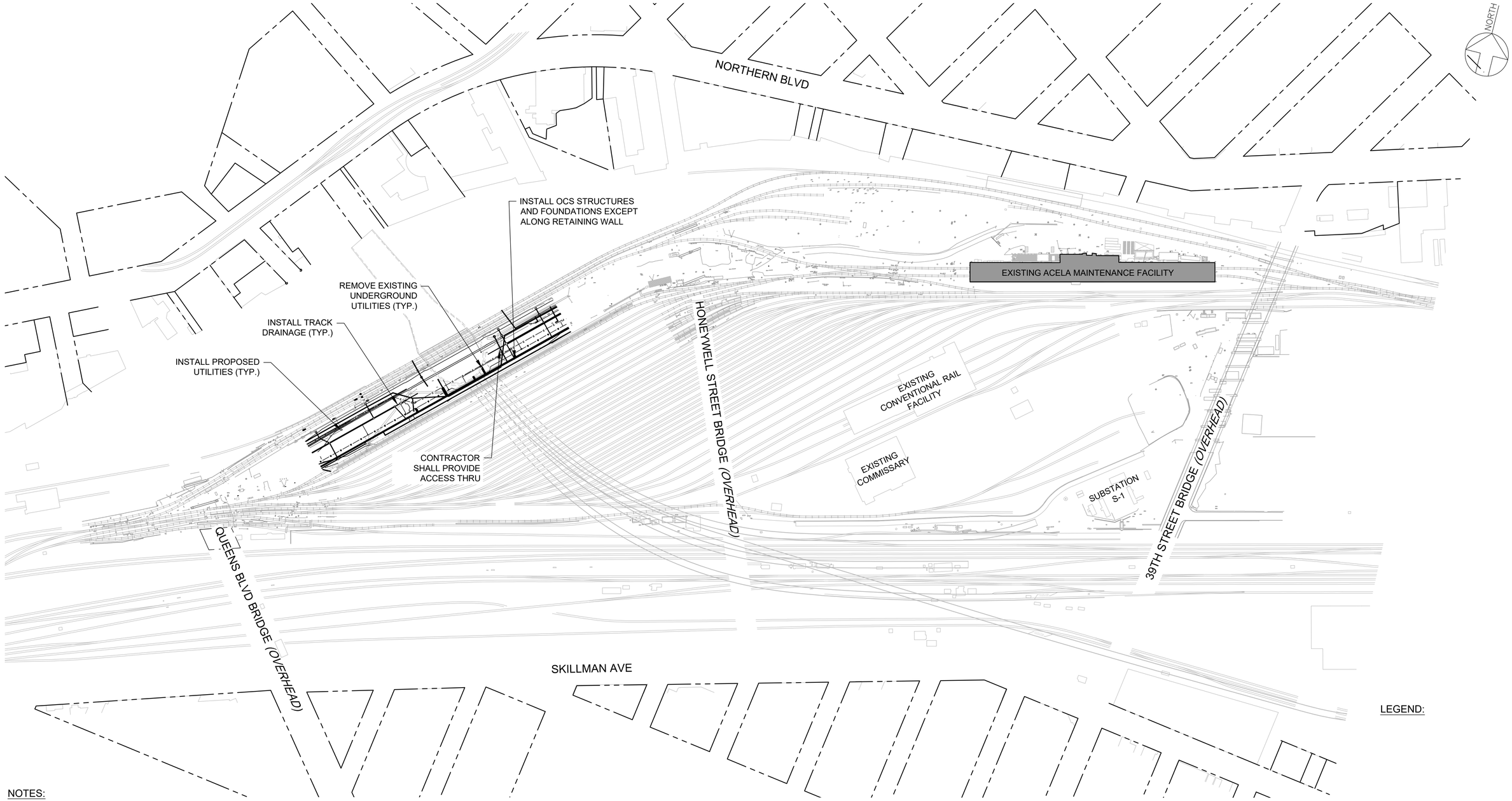
In Joint Venture
Gannett Fleming STV
in association with
WSP SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE I

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-604

FILE NAME: T:\187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



NOTES:

1) SEE PHASING NOTES ON SHEETS C-600 & C-601.

PHASE II: READY TRACK UTILITIES AND OCS FOUNDATIONS

150 75 0 150 300

SCALE IN FEET
SCALE 1" = 150'

60%
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No.	Revisions	Date	By

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Office of Chief Engineer
STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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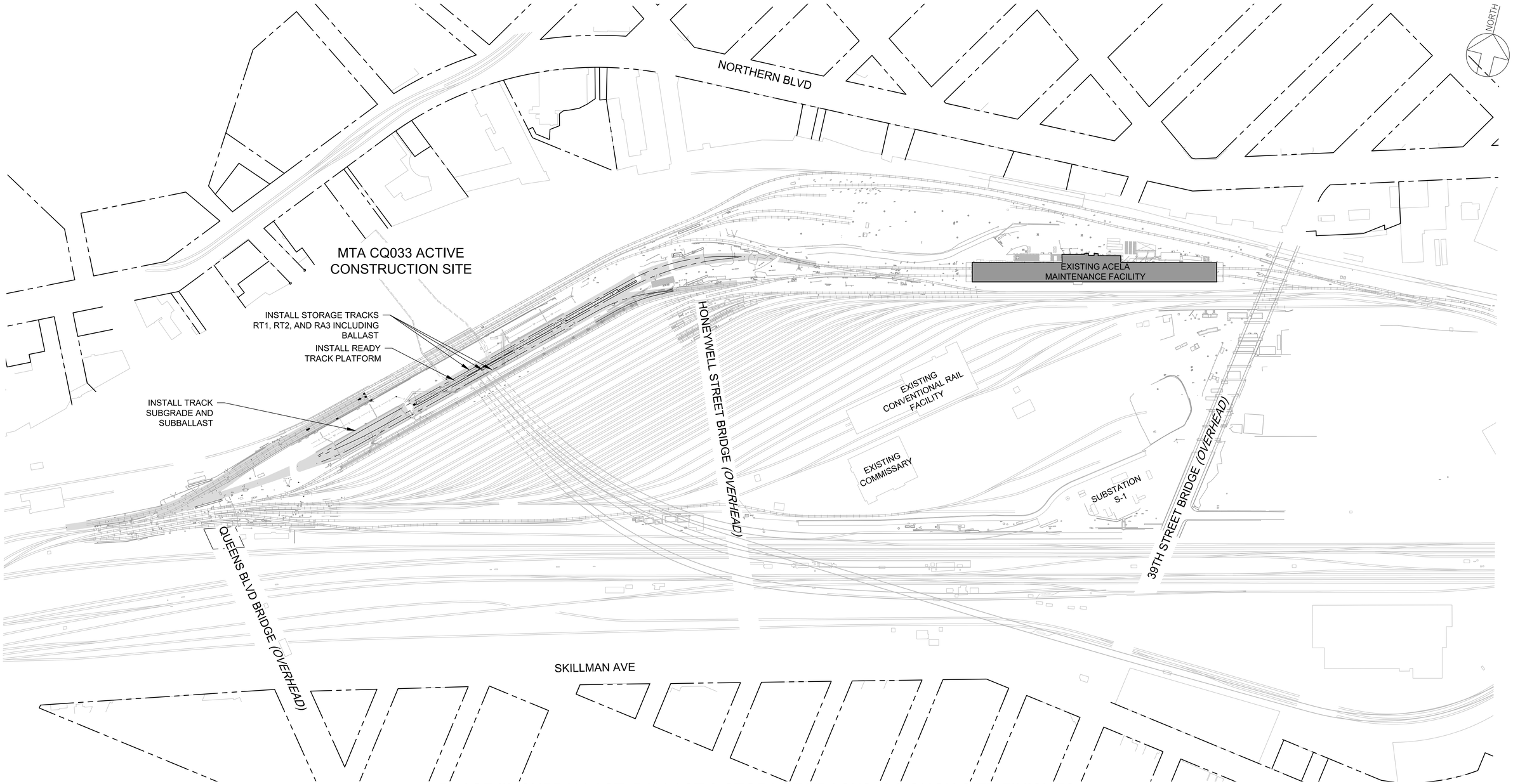
In Joint Venture
Gannett Fleming STV
in association with
WSP SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE II

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-605

FILE NAME: T:\187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



PHASE III: SUBBALLAST, BALLAST & STORAGE TRACKS, & ROUGH SITE FINISHES

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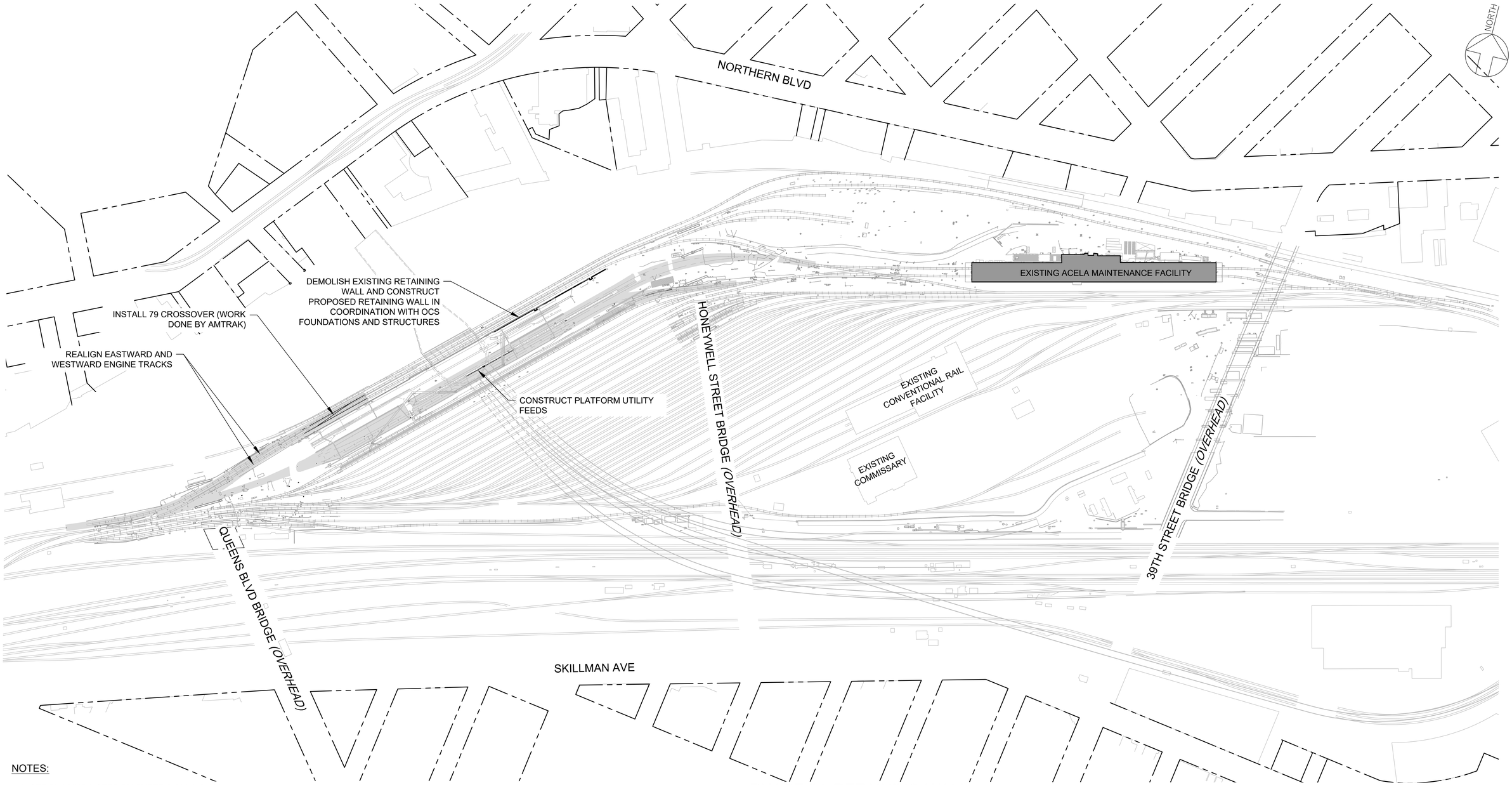
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE III

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-606

FILE NAME: T:\1876660 – SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



NOTES:

1) SEE PHASING NOTES ON SHEET C-600 & C-601.

PHASE IV: RETAINING WALL

150 75 0 150 300

SCALE IN FEET
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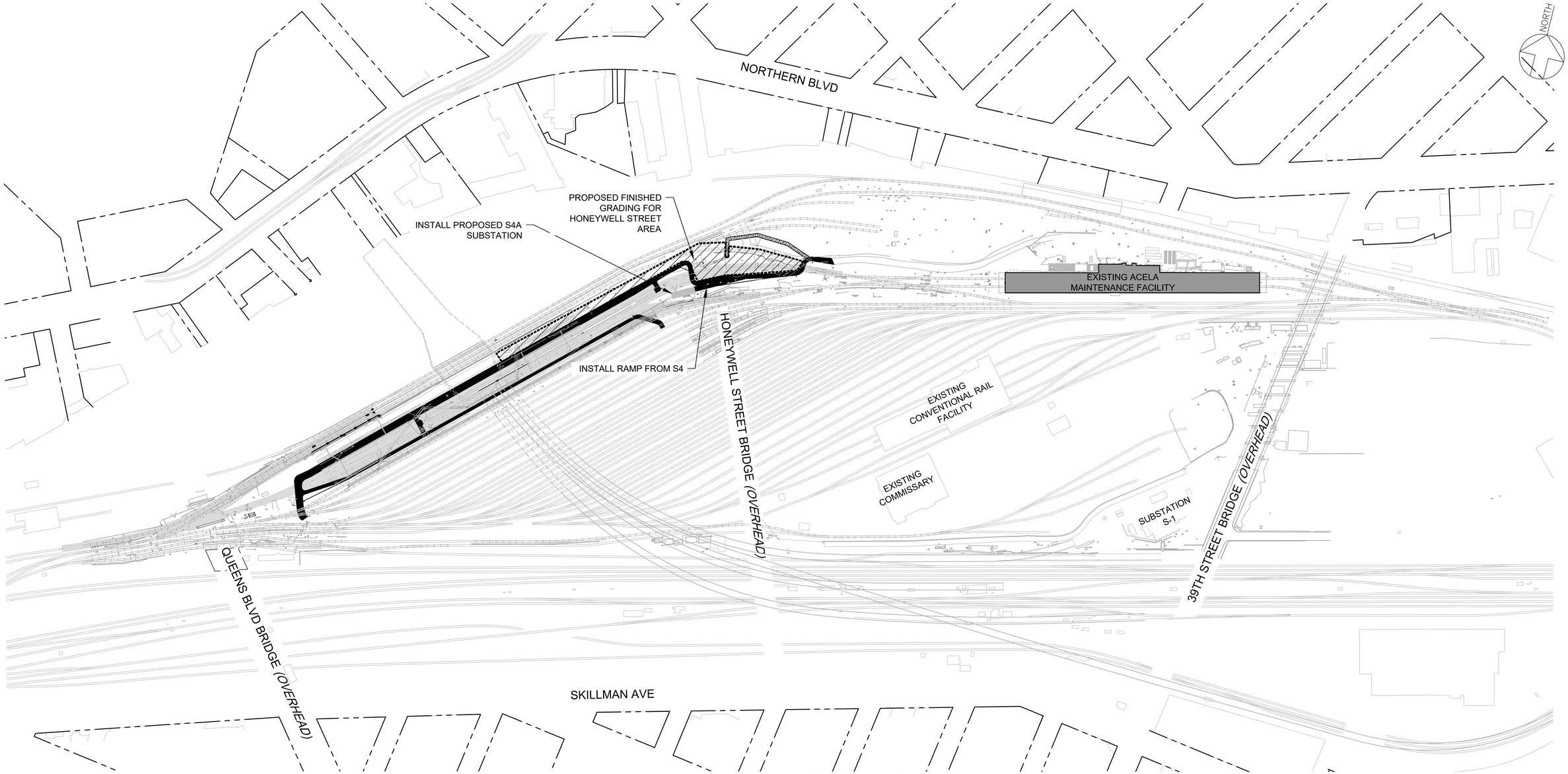
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE IV

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-607

FILE NAME: T:\187666D – SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



PHASE VA: WORK ON HONEWELL STREET SITE DEMO, UTILITIES, TRACK, SITE FINISHING

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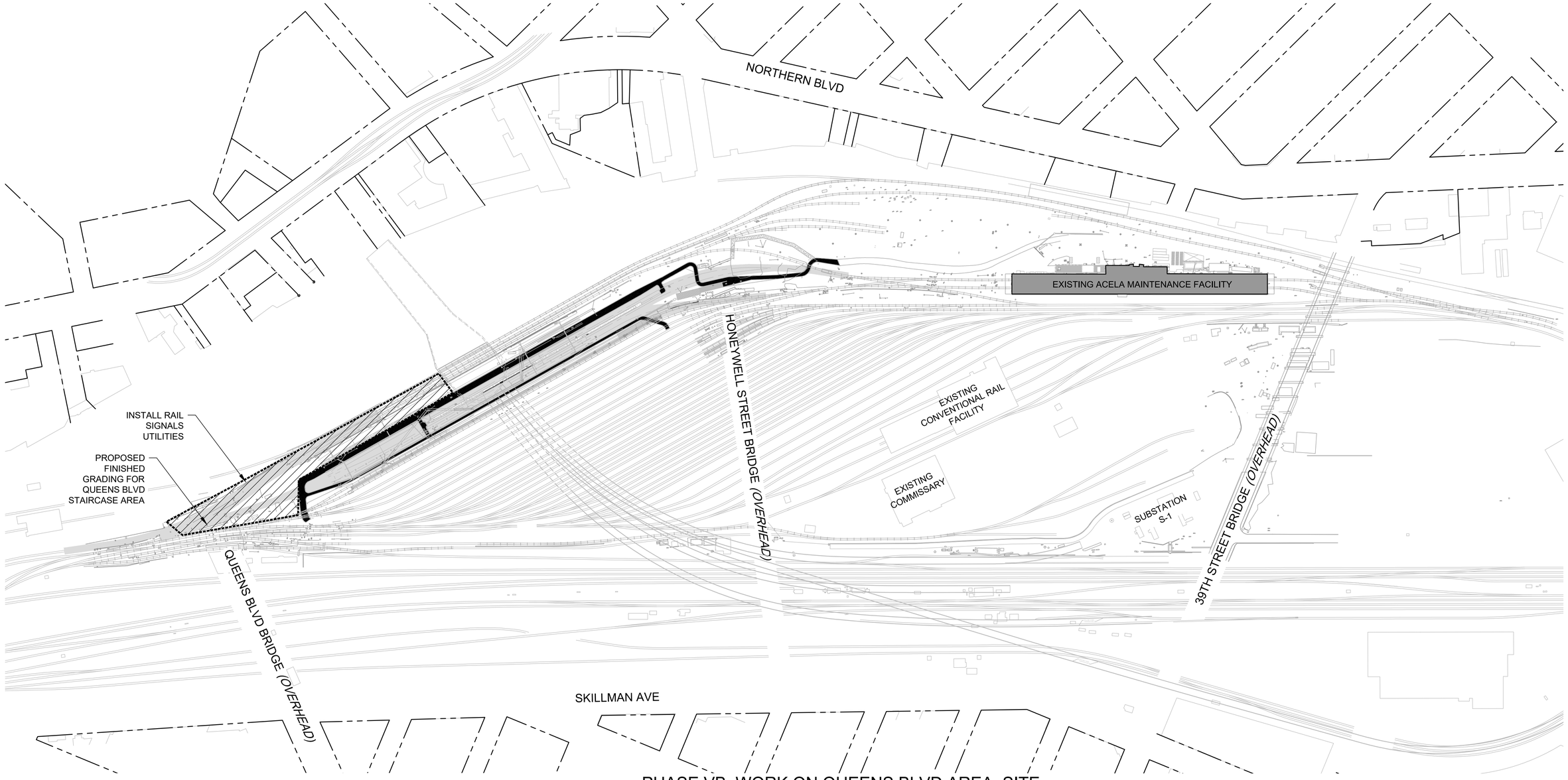
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE VA

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-608

FILE NAME: T:\187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\8.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



PHASE VB: WORK ON QUEENS BLVD AREA, SITE DEMO, UTILITIES, TRACK, SITE FINISHING

150 75 0 150 300

SCALE IN FEET
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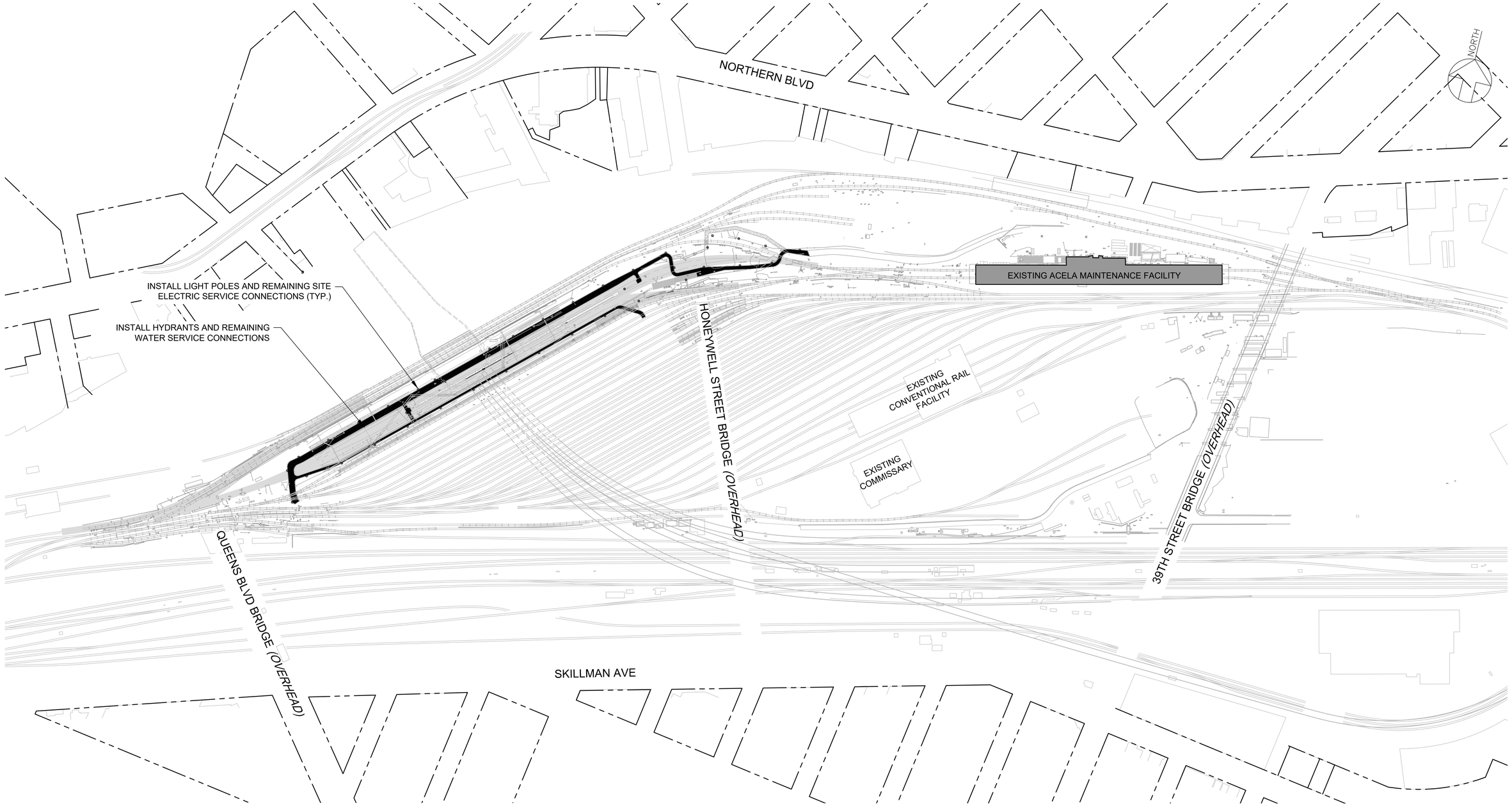
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE VB

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-609

FILE NAME: T:\187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\8.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG



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LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
PHASING PLANS - PHASE VI

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
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Sheet No.	OF TBD
Dwg. No.	C-610

FILE NAME: T:\187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-602-610-STG.DWG

DRAINAGE STRUCTURE TABLE

Structure Name	STRUCTURE TYPE	REFERENCE ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	CONNECTED PIPES	PIPE INV. ELEVATIONS (FT)	PIPE DIAMETERS (IN.)	DWG. NO.
CB #1	STD. CATCH BASIN	RT2	13+63.23	-61.56L	212395.2	1002910.6	15.85'	1	10.50'	12"	C-153
CB #2	STD. CATCH BASIN	RT2	12+29.51	-62.70L	212304.6	1002812.2	15.80'	1	10.50'	12"	C-153
CB #3	STD. CATCH BASIN	RT2	13+63.23	-39.68L	212379.3	1002925.5	15.57'	2	10.39' 10.39'	12" 12"	C-153
CB #4	STD. CATCH BASIN	RT2	12+29.45	-39.86L	212287.9	1002827.8	16.24'	2	10.39' 10.39'	12" 12"	C-153
CB #5	STD. CATCH BASIN	RT2	7+55.90	-61.57L	211980.0	1002467.4	15.89'	1	10.50'	12"	C-152
CB #6	STD. CATCH BASIN	RT2	4+90.65	-62.47L	211801.6	1002278.8	16.69'	1	9.50'	12"	C-152
CB #7	STD. CATCH BASIN	RA3	4+21.10	49.46R	211662.6	1002292.4	15.63'	1	11.50'	12"	C-152
CB #8	STD. CATCH BASIN	RT2	19+12.35	-46.90L	212722.7	1003371.8	13.53'	2	8.45' 8.45'	12" 12"	C-154
CB #9	STD. CATCH BASIN	RT2	19+12.76	-57.75L	212733.1	1003368.8	16.00'	1	8.50'	12"	C-154
CB #10	STD. CATCH BASIN	RT2	17+45.10	-53.38L	212649.4	1003207.0	12.87'	1	7.12'	12"	C-154
CB #11	STD. CATCH BASIN	RT2	17+69.91	33.09R	212590.2	1003274.8	16.42'	2	7.40' 7.40'	12" 12"	C-154
CB #12	STD. CATCH BASIN	RT2	19+58.62	42.43R	212649.9	1003441.2	14.70'	1	11.00'	12"	C-154
CB #13	STD. CATCH BASIN	RT2	5+78.53	-39.68L	211841.5	1002353.6	14.44'	2	10.38' 10.38'	12" 12"	C-152
CB #14	STD. CATCH BASIN	RT2	7+55.90	-39.77L	211964.1	1002482.3	15.33'	2	10.39' 10.39'	12" 12"	C-152
CB #15	STD. CATCH BASIN	RT2	4+96.67	-39.76L	211785.0	1002294.3	14.04'	2	9.39' 9.39'	12" 12"	C-152
CB #16	STD. CATCH BASIN	RA3	4+53.04	39.35R	211688.2	1002314.0	15.08'	2	11.33' 11.33'	12" 12"	C-152
CB #17	STD. CATCH BASIN	RT2	5+78.77	-62.05L	211857.8	1002338.3	15.80'	1	10.48'	12"	C-152
MH #1	STD. 4-FT MANHOLE	RT2	4+96.57	-12.11L	211764.9	1002313.4	17.16'	4	9.25' 13.78' 9.25' 13.19'	30" 10" 12" 10"	C-152
MH #2	STD. 4-FT MANHOLE	RT2	5+98.70	-11.09L	211834.8	1002387.9	18.20'	6	8.74' 8.74' 10.21' 10.29' 14.30' 14.80'	30" 30" 12" 12" 10" 10"	C-152
MH #3	STD. 4-FT MANHOLE	RT2	8+30.68	-10.00L	211993.5	1002557.2	18.57'	5	7.58' 14.67' 7.54' 14.30' 10.74'	30" 10" 10" 10" 10"	C-152
MH #4	STD. 4-FT MANHOLE	RT2	5+96.71	45.75R	211792.3	1002425.7	17.89'	4	10.57' 10.57' 12.21' 12.61'	12" 12" 12" 10"	C-152
MH #5	STD. 4-FT MANHOLE	RT2	6+94.53	46.81R	211859.0	1002497.1	18.30'	2	12.70' 13.68'	12" 10"	C-152

DRAINAGE STRUCTURE TABLE

Structure Name	STRUCTURE TYPE	REFERENCE ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	RIM ELEVATION	CONNECTED PIPES	PIPE INV. ELEVATIONS (FT)	PIPE DIAMETERS (IN.)	DWG. NO.
MH #6	STD. 4-FT MANHOLE	RT2	15+59.59	28.40R	212463.9	1003115.4	19.78'	2	6.22' 16.05'	24" 10"	C-154
MH #7	STD. 4-FT MANHOLE	RT2	15+59.35	-26.80L	212504.0	1003077.4	17.84'	4	6.15' 6.15' 12.37' 6.15'	24" 24" 10" 12"	C-154
MH #8	STD. 4-FT MANHOLE	RT2	19+09.33	29.18R	212649.5	1003393.0	16.61'	3	10.76' 8.07' 8.07'	12" 12" 12"	C-154
MH #9	STD. 8-FT MANHOLE	RT2	17+24.52	-19.83L	212609.5	1003208.2	16.72'	5	7.06' 6.92' 13.22' 6.92' 6.92'	12" 60" 10" 12" 60"	C-154
MH #10	STD. 6-FT MANHOLE	RT2	18+78.92	28.63R	212640.2	1003365.5	16.74'	3	7.92' 7.92' 9.32'	12" 12" 10"	C-154
MH #11	STD. 8-FT MANHOLE	RT2	16+56.87	-22.85L	212568.0	1003151.8	18.26'	2	6.64' 6.64'	60" 12"	C-154
MH #12	STD. 6-FT MANHOLE	RT2	12+29.35	-10.00L	212266.1	1002848.1	18.28'	5	10.24' 8.00' 14.07' 11.24' 14.40'	12" 48" 10" 10" 10"	C-153
MH #13	STD. 6-FT MANHOLE	RT2	13+63.23	-10.00L	212357.6	1002945.8	18.28'	3	10.24' 7.33' 7.33'	12" 48" 48"	C-153
MH #14	STD. 6-FT MANHOLE	RT2	14+49.40	-10.00L	212416.5	1003008.7	18.28'	4	6.90' 6.90' 13.97' 14.40'	48" 12" 10" 10"	C-153
MH #15	STD. 6-FT MANHOLE	RT2	14+71.56	-10.00L	212431.7	1003024.9	18.28'	5	5.08' 5.08' 6.79' 14.29' 14.40'	48" 48" 12" 10" 10"	C-153
MH #16	STD. 6-FT MANHOLE	RT2	8+52.85	-10.00L	212008.6	1002573.4	18.93'	5	7.43' 5.84' 5.84' 14.00' 14.41'	10" 48" 48" 10" 10"	C-152
MH #17	STD. 4-FT MANHOLE	RT2	7+55.90	-10.00L	211942.3	1002502.7	18.56'	5	7.95' 7.95' 10.24' 15.09' 14.30'	30" 30" 12" 10" 10"	C-152
MH #18	STD. 8-FT MANHOLE	RT2	17+92.38	-19.22L	212646.5	1003267.5	16.39'	1	7.20'	60"	C-154
UD #1	UNDERDRAIN CONNECTION	RT2	6+94.86	40.98R	211863.4	1002493.3	18.43'	3	14.34' 13.71' 13.81'	10" 10" 10"	C-152
UD #2	UNDERDRAIN CONNECTION	RT2	5+85.37	39.06R	211789.3	1002412.9	18.01'	2	12.67' 12.67'	10" 10"	C-152
UD #3	UNDERDRAIN CONNECTION	RT2	8+43.03	41.51R	211964.3	1002601.5	18.69'	3	13.93' 14.55' 11.00'	10" 10" 10"	C-152
UD #4	UNDERDRAIN CONNECTION	RT2	12+29.00	42.66R	212227.4	1002883.9	18.73'	3	13.39' 11.50' 14.83'	10" 10" 10"	C-153
UD #5	UNDERDRAIN CONNECTION	RT2	13+63.23	42.66R	212319.2	1002981.8	18.85'	3	13.89' 14.06' 11.50'	10" 10" 10"	C-153
UD #6	UNDERDRAIN CONNECTION	RT2	15+54.45	-10.65L	212488.9	1003084.9	18.18'	3	13.86' 12.45' 13.99'	10" 10" 10"	C-154
UD #7	UNDERDRAIN CONNECTION	RT2	17+19.30	-7.92L	212596.7	1003210.9	17.52'	2	13.82' 13.82'	10" 10"	C-154
UD #8	UNDERDRAIN CONNECTION	RT2	18+76.47	-7.66L	212673.1	1003350.0	16.50'	3	13.14' 9.50' 13.00'	10" 10" 10"	C-154
ZZZ #2	Null Structure	???	???	??????	212069.8	1002714.6	15.64'	1	14.70'	10"	C-154

FILE NAME: T:\1187666D - SSY READY TRACK YARD\8.0 - CONTRACT DOCUMENTS\9.4 - PACKAGE B CADD CIVIL\PLOTSHEETS\SSY-08-C-701-70X-STRC-TBL.DWG

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National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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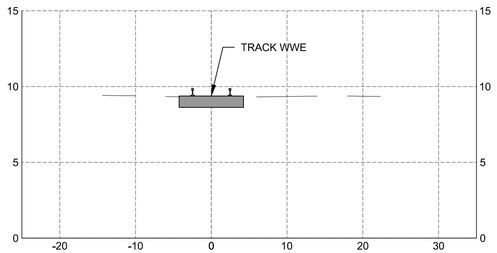
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
MISC. TABLES - 1

Designed	GA	Drawn	AG	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-701



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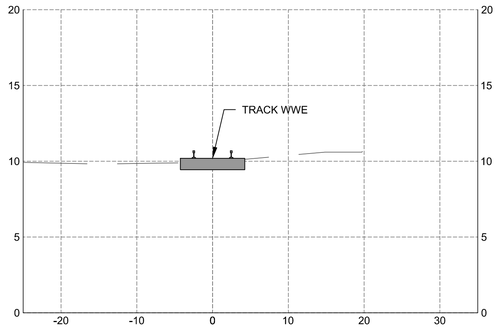
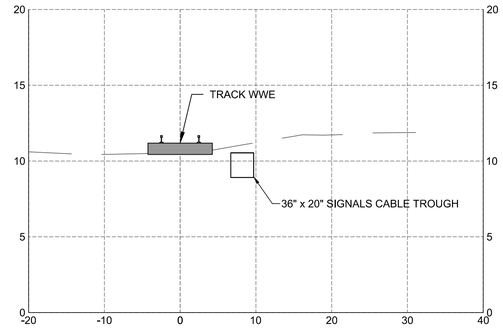


WWE STA. 2+00.00



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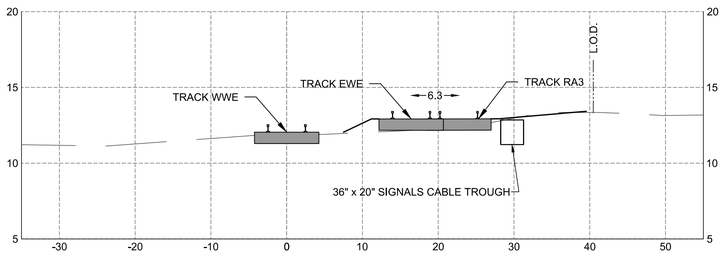
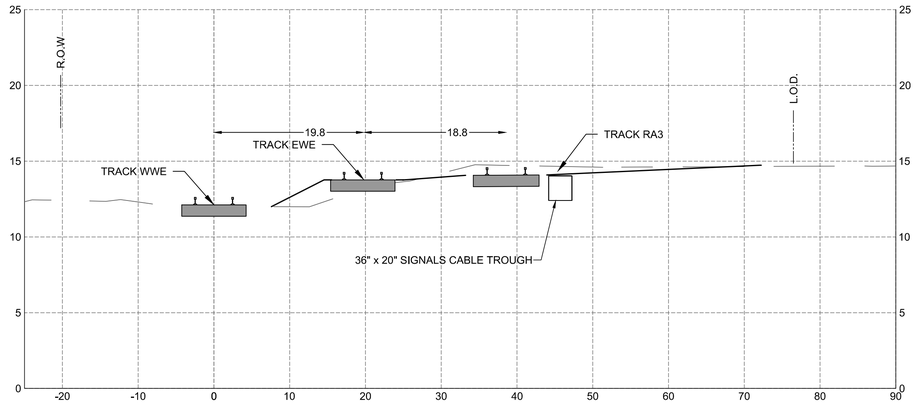


WWE STA. 4+00.00



WWE STA. 5+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

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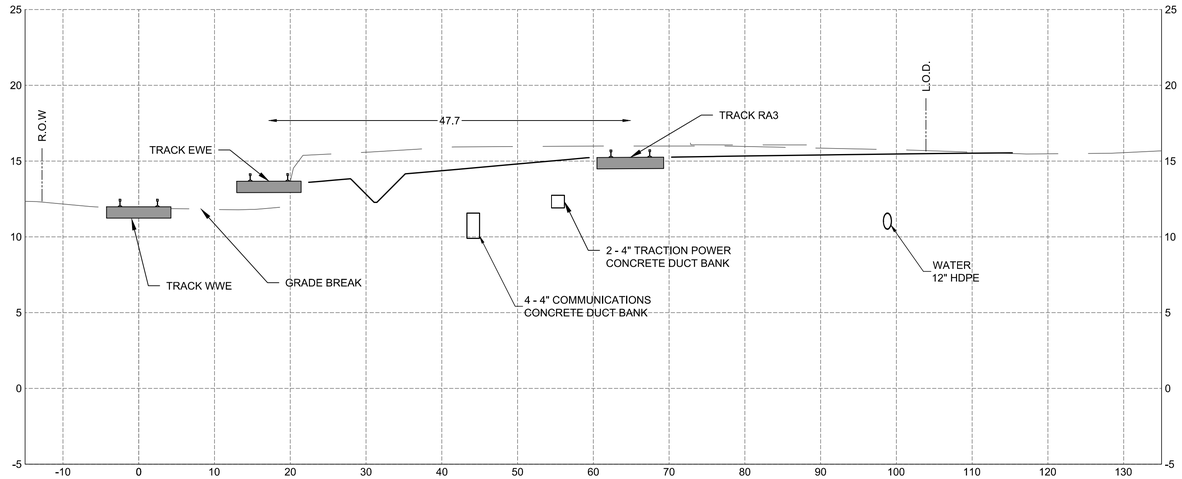
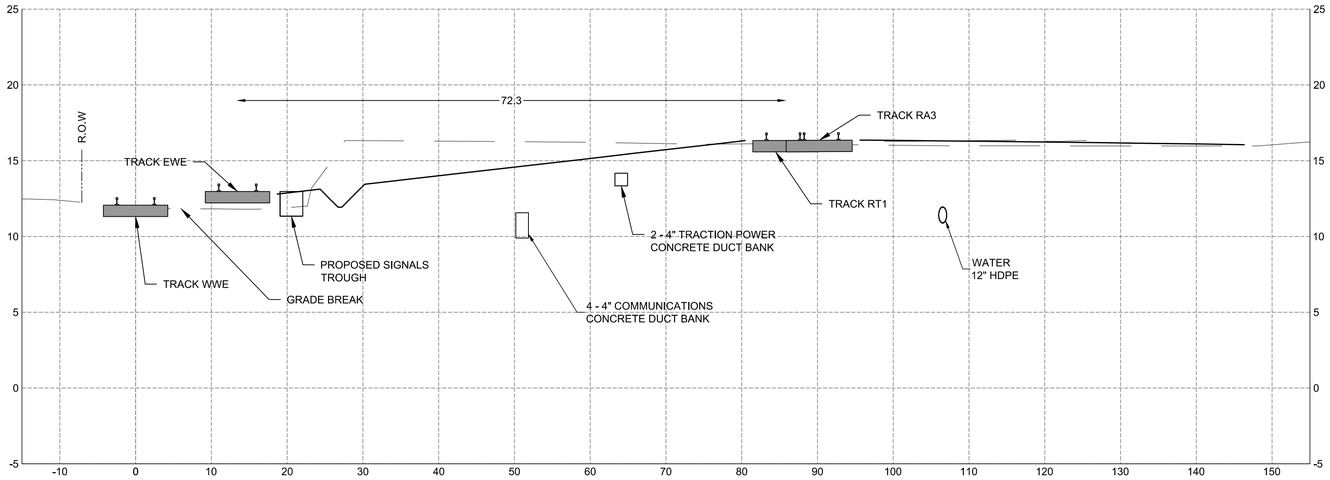
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 1

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-301



WWE STA. 6+00.00



WWE STA. 7+00.00

20 10 0 20 40
HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

10 5 0 10 20
VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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Office of Chief Engineer
STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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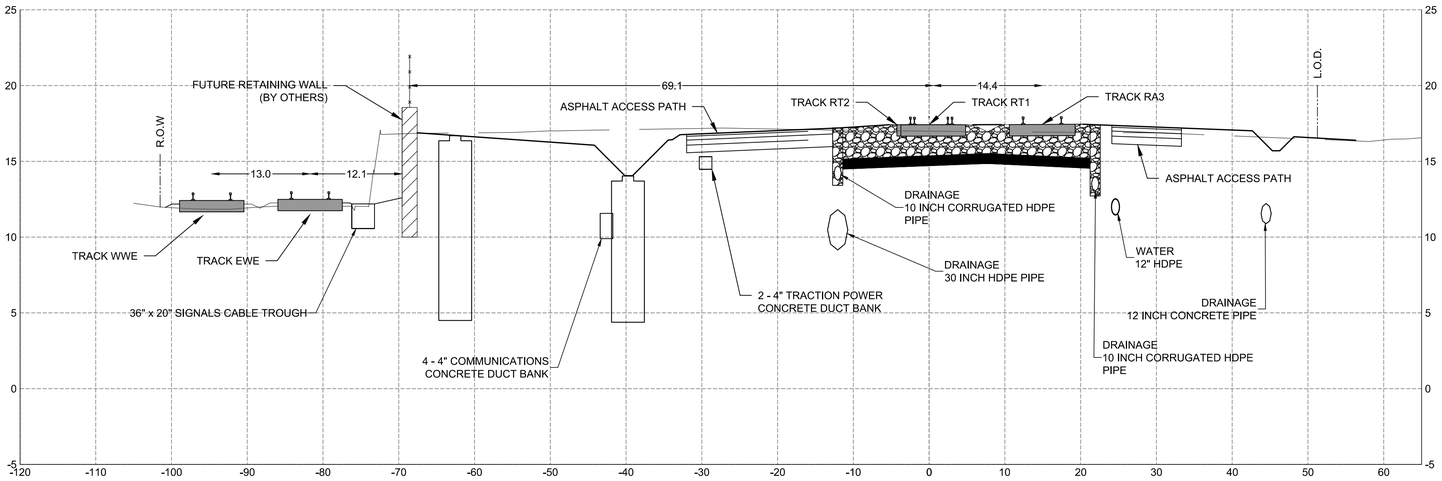
In Joint Venture
Gannett Fleming STV
in association with
wsp SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 2

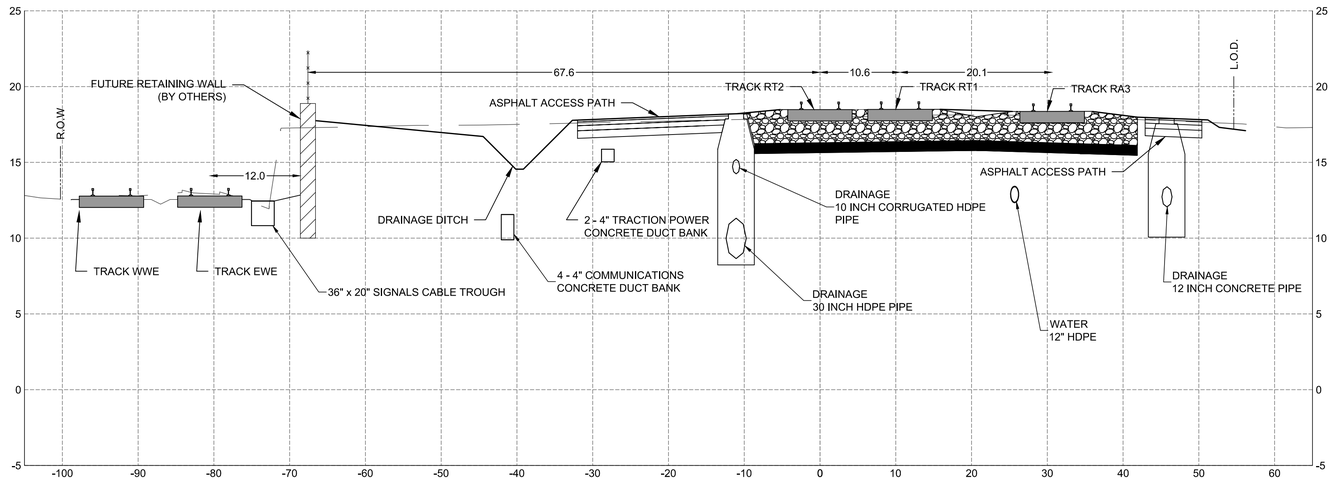
Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-302

FILE NAME: SSY-HSR-C2-301-sec.dwg



RT2 STA. 5+00.00



RT2 STA. 6+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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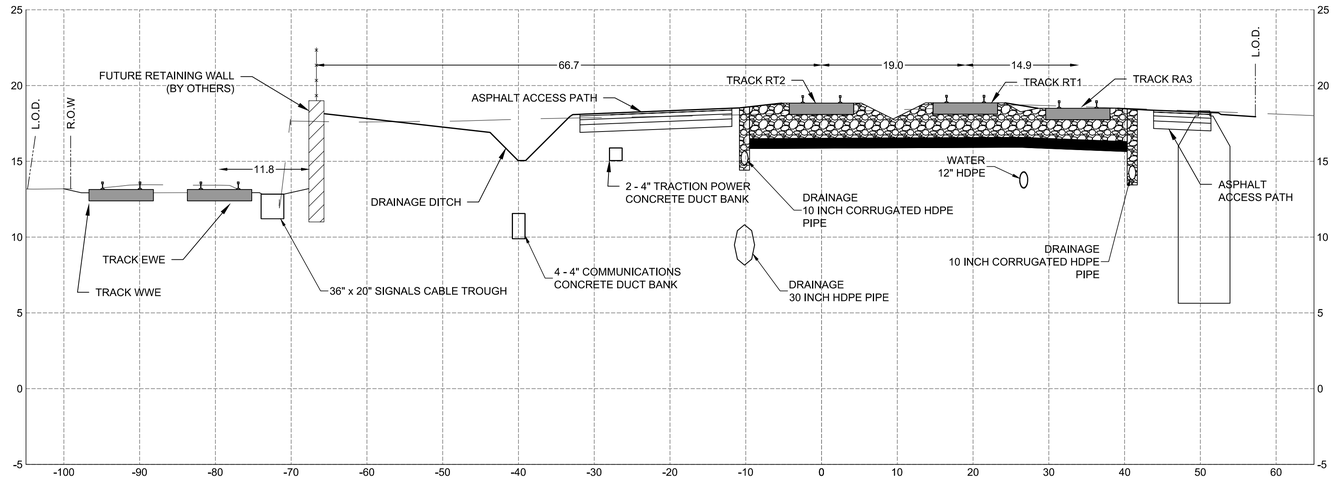
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 3

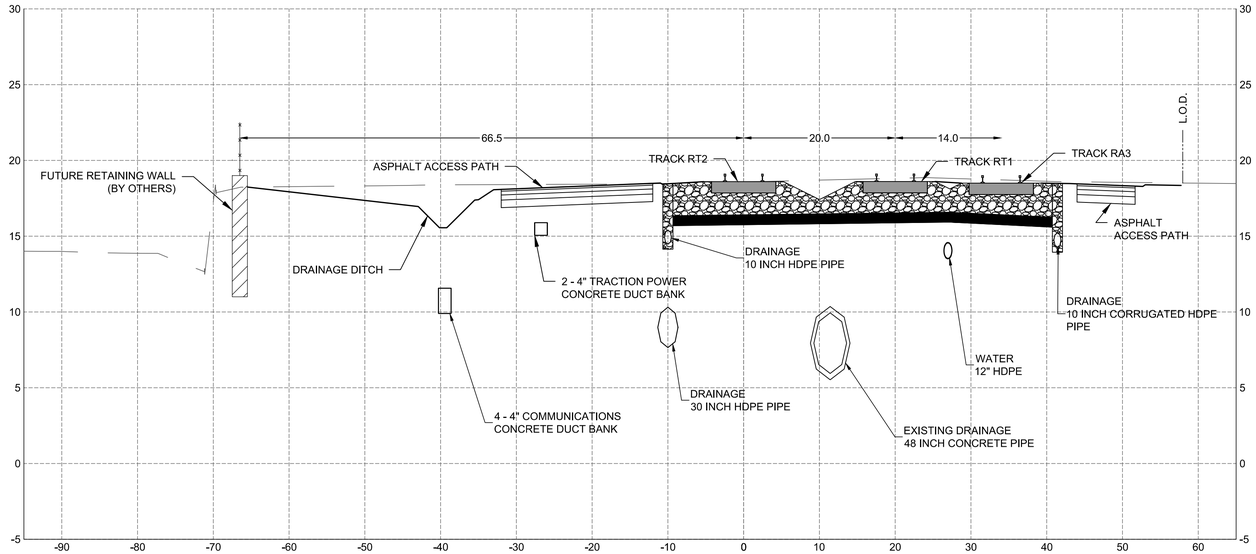
Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-303

FILE NAME: SSY-HSR-C2-301-sec.dwg



RT2 STA. 7+00.00



RT2 STA. 8+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

FILE NAME: SSY-HSR-C2-301-sec.dwg

No.	Revisions	Date	By

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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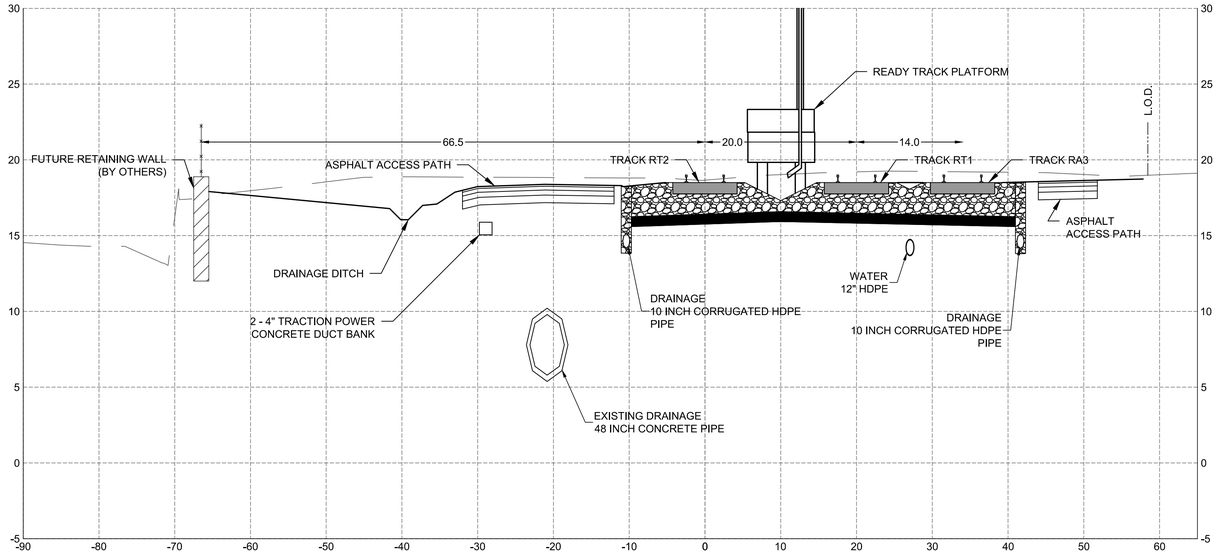
In Joint Venture
Gannett Fleming STV
in association with
WSP SOWINSKI SULLIVAN

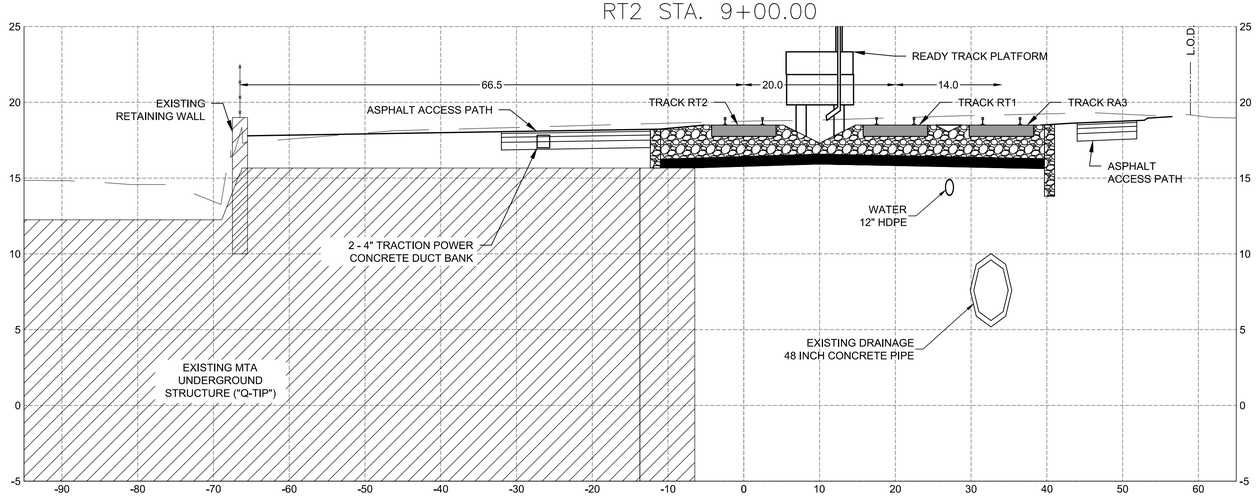
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 4

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-304



RT2 STA. 9+00.00



RT2 STA. 10+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

FILE NAME: SSY-HSR-C2-301-sec.dwg

No.	Revisions	Date	By

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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Gannett Fleming STV
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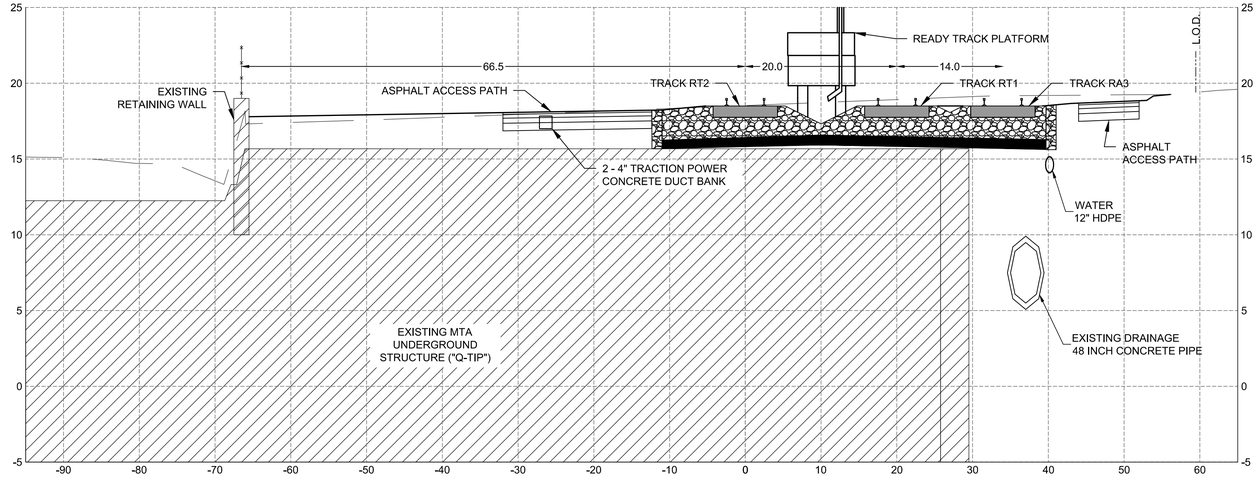
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 5

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-305



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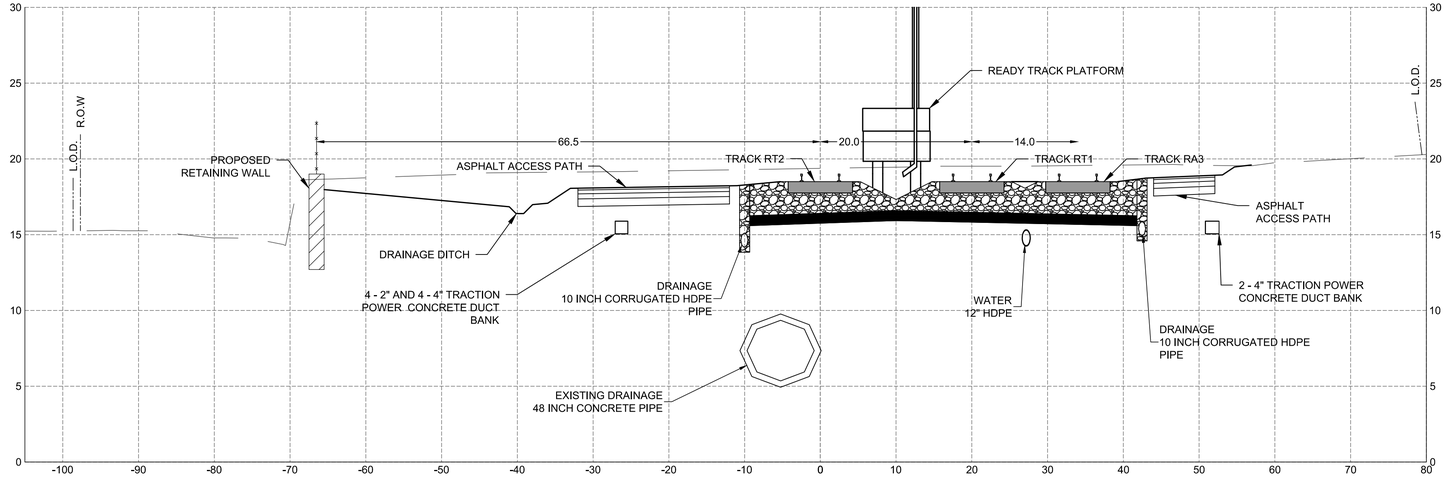

RT2 STA. 12+00.00

20 10 0 20 40
HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

10 5 0 10 20
VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

No.	Revisions	Date	By

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National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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Gannett Fleming STV
in association with
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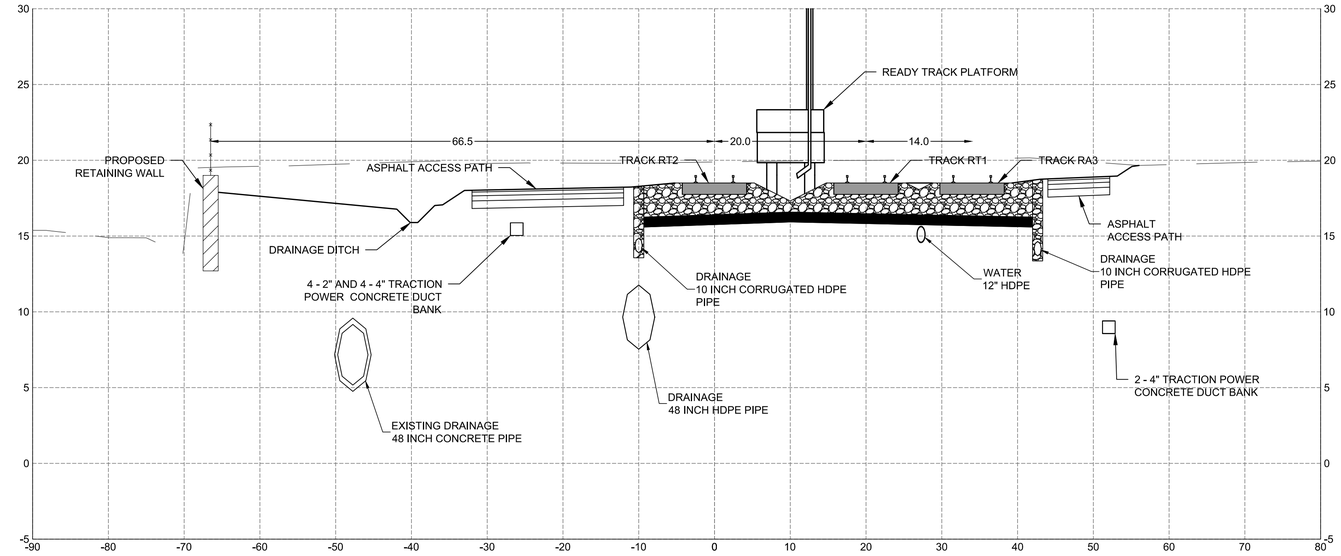
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 6

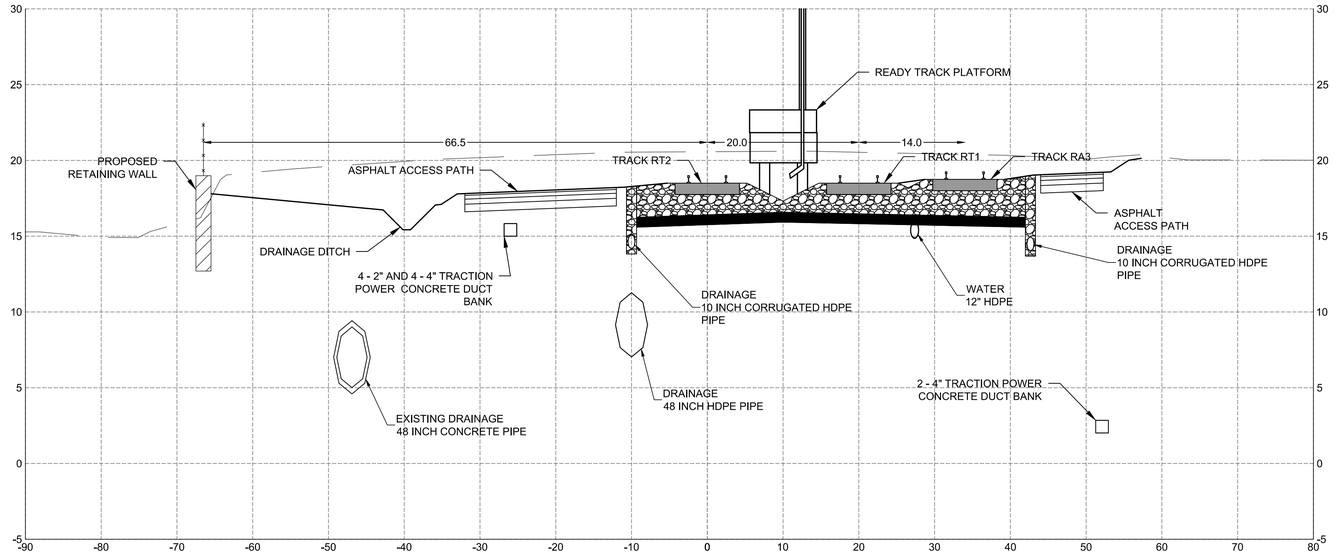
Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-306

FILE NAME: SSY-HSR-C2-301-sec.dwg



RT2 STA. 13+00.00



RT2 STA. 14+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

FILE NAME: SSY-HSR-C2-301-sec.dwg

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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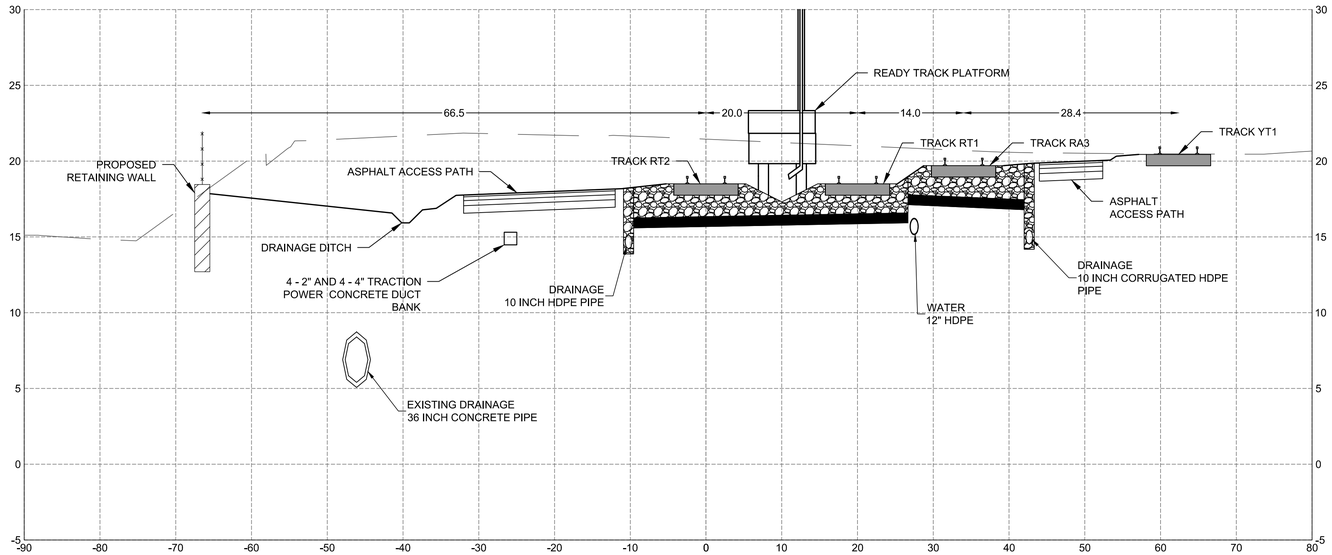
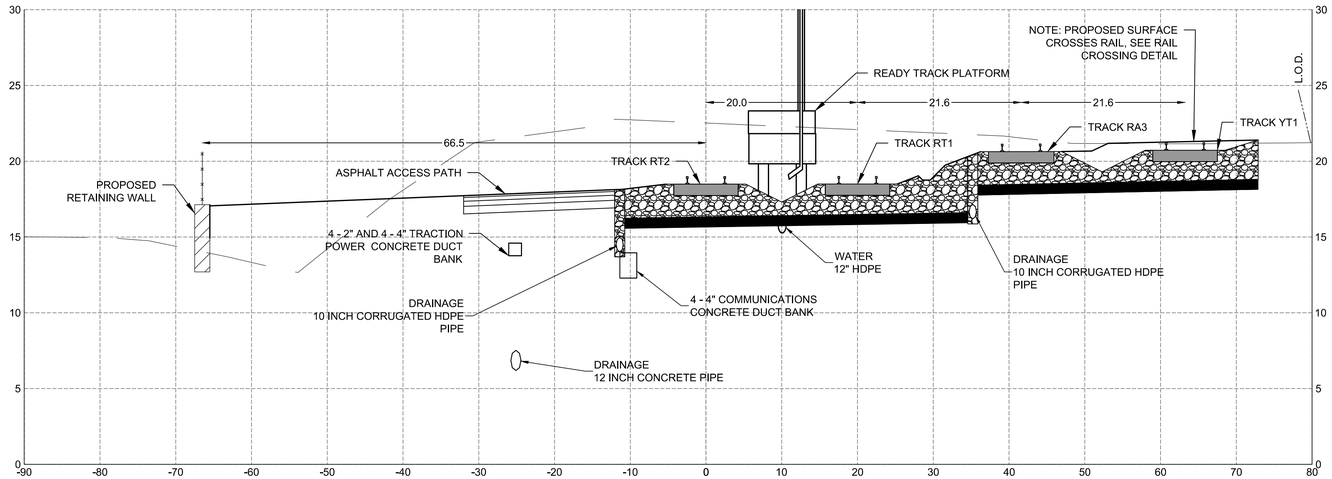
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 7

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-307



RT2 STA. 15+00.00



RT2 STA. 16+00.00

20 10 0 20 40
HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

10 5 0 10 20
VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
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FILE NAME: SSY-HSR-C2-301-sec.dwg

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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In Joint Venture
Gannett Fleming STV
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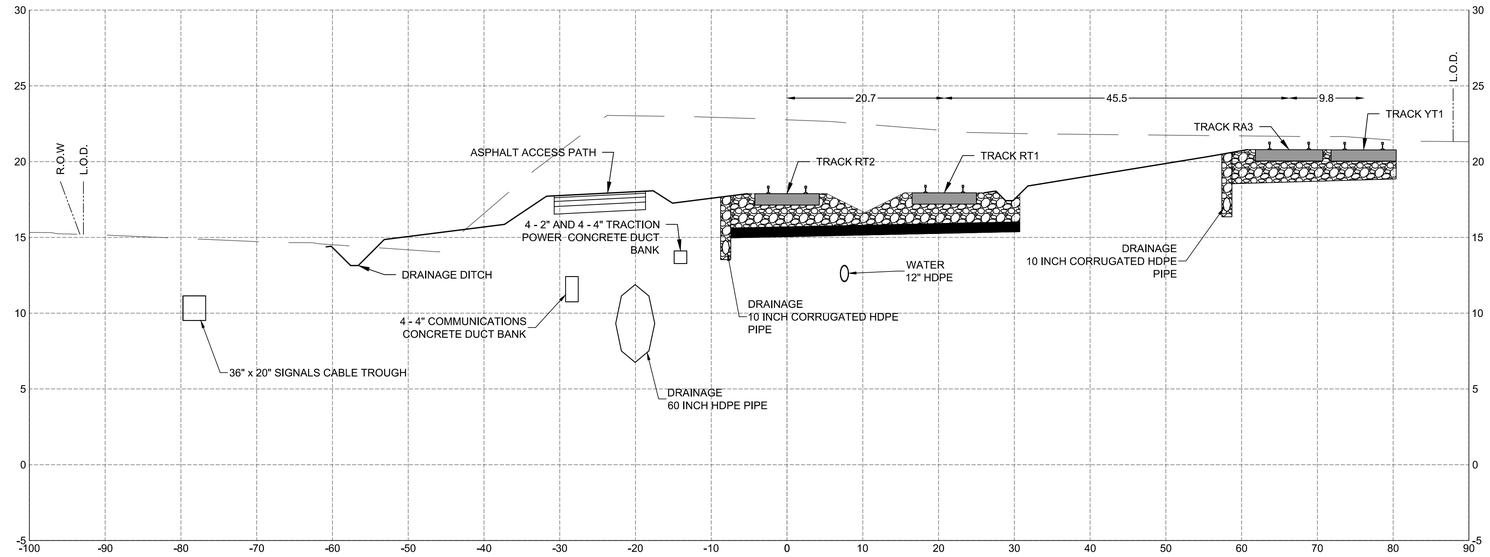
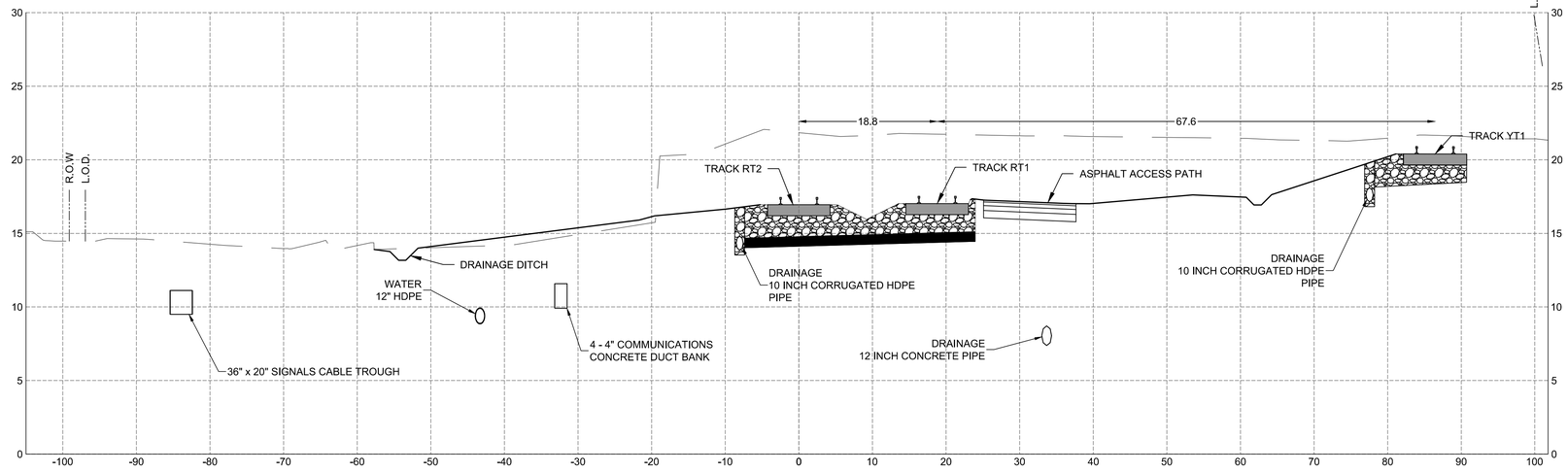
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 8

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-308



RT2 STA. 17+00.00



RT2 STA. 18+00.00

20 10 0 20 40
HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

10 5 0 10 20
VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

FILE NAME: SSY-HSR-C2-301-sec.dwg

No.	Revisions	Date	By

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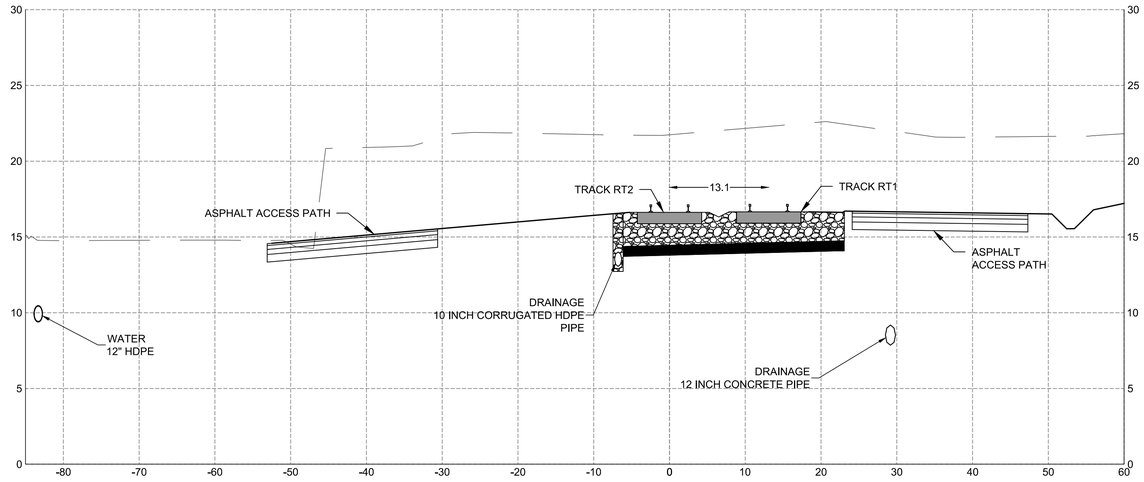
WSP SOWINSKI SULLIVAN ARCHITECTURE ENGINEERING

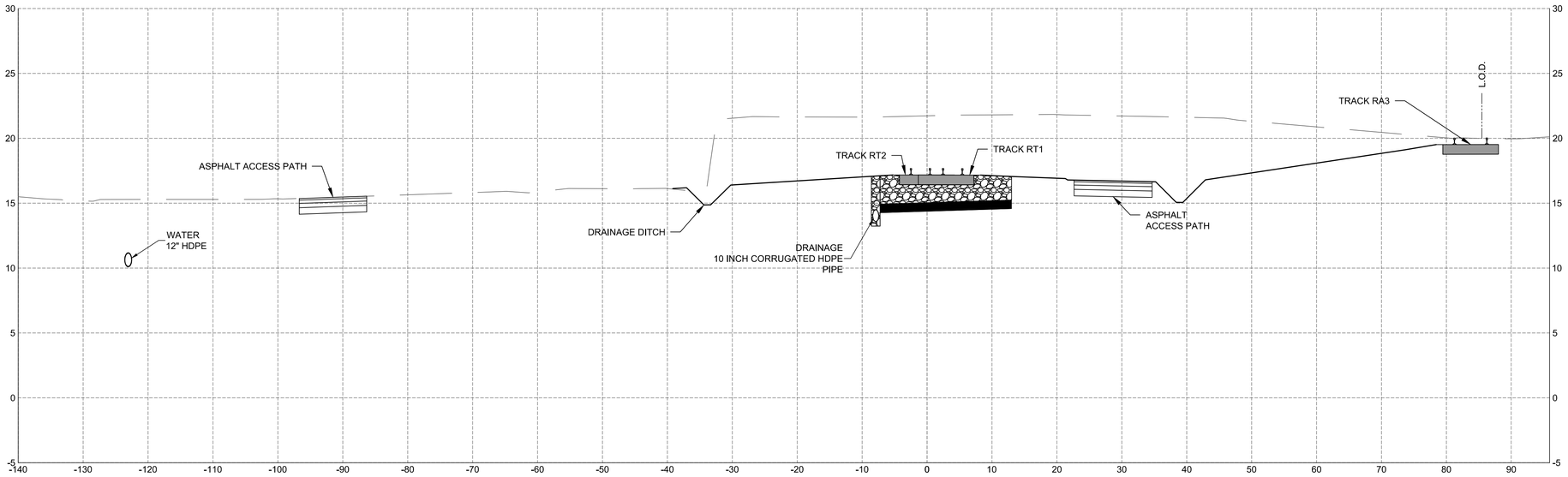
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 9

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-309



RT2 STA. 19+00.00



RT2 STA. 20+00.00

HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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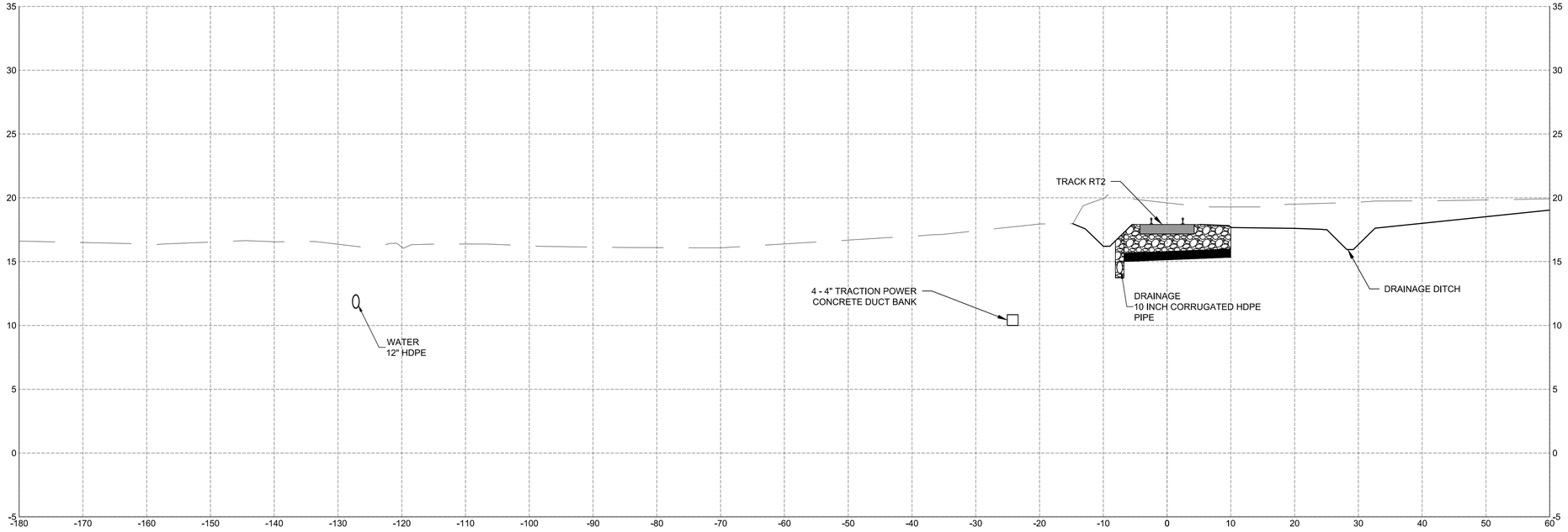
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 10

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-310

FILE NAME: SSY-HSR-C2-301-sec.dwg



RT2 STA. 21+00.00

20 10 0 20 40
HORIZONTAL SCALE IN FEET
SCALE 1" = 10'

10 5 0 10 20
VERTICAL SCALE IN FEET
SCALE 1" = 5'

60%
DESIGN
NOT FOR CONSTRUCTION

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National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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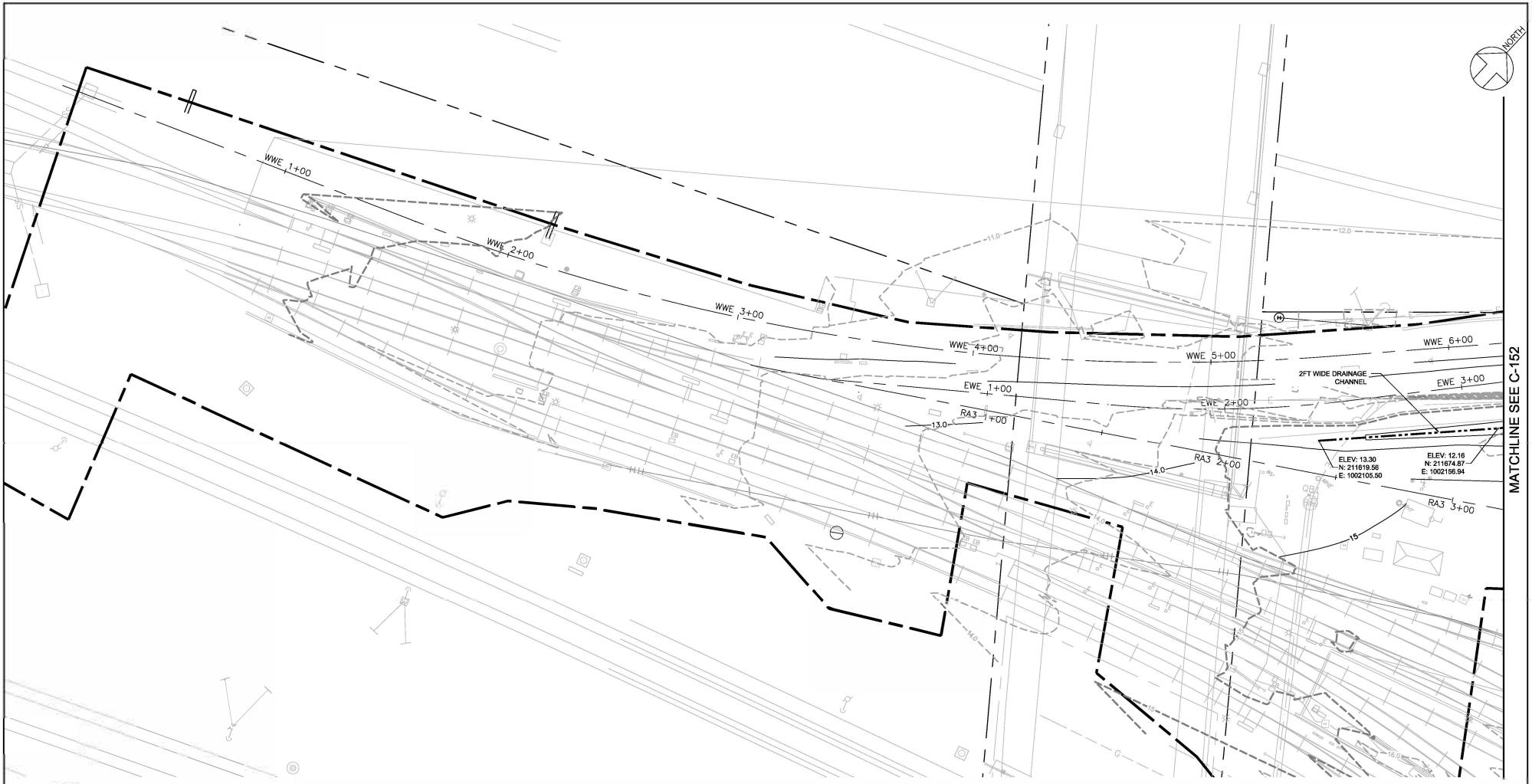
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
SECTIONS SHEET 11

Designed	MS	Drawn	FL	Checked	AW	Date	07/20/2020

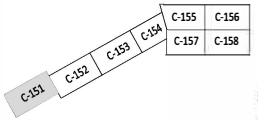
Project Code:	
WBS:	
Sheet No.	OF TBD
Dwg. No.	C-311

FILE NAME: SSY-HSR-C2-301-sec.dwg



NOTES:

1. SEE GENERAL DRAINAGE NOTES, DRAWING C-002
2. ALL EXISTING SEWERS WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND VIDEO-INSPECTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWER SYSTEMS
3. ALL UNDERDRAIN WITHIN TRACK AREAS TO BE 10" BITUMINOUS COATED CORRUGATED METAL PIPE (PERFORATED)
4. DRAINAGE DETAILS, SEE DRAWING C-521
5. DRAINAGE STRUCTURES TABLE, SEE DRAWING C-701
6. CONCRETE PIPE TO BE CLASS V RCP FULLY ENCASED IN CONCRETE
7. DUCTILE IRON PIPE TO BE CLASS 56, FLANGED END - PLAIN END (FE-PE). FLANGED END TO BE INSTALLED DOWNSTREAM TO FACILITATE FLAP GATE INSTALLATION
8. SEE ARCHITECTURAL DRAWING A-102 FOR PLATFORM DOWNSPOUT LOCATIONS AND DETAILS
9. LARGER DRAINAGE SEWERS ARE TO BE CONSTRUCTED BENEATH UNDERDRAINS IN SOME LOCATIONS. REFER TO DRAINAGE PROFILES FOR DETAILS.
10. EXISTING SEWER MANHOLES WITHIN THE LIMITS OF TRACK RA3 TO BE MODIFIED. SEE DETAILS ON DRAWING C-526 FOR REMOVAL AND RECONSTRUCTION OF EXISTING MANHOLE CHIMNEY AND COVER.



KEY PLAN

20 10 0 20 40
SCALE IN FEET
SCALE 1" = 20'

100% PRE-FINAL DESIGN
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National RailroadPassenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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In Joint Venture
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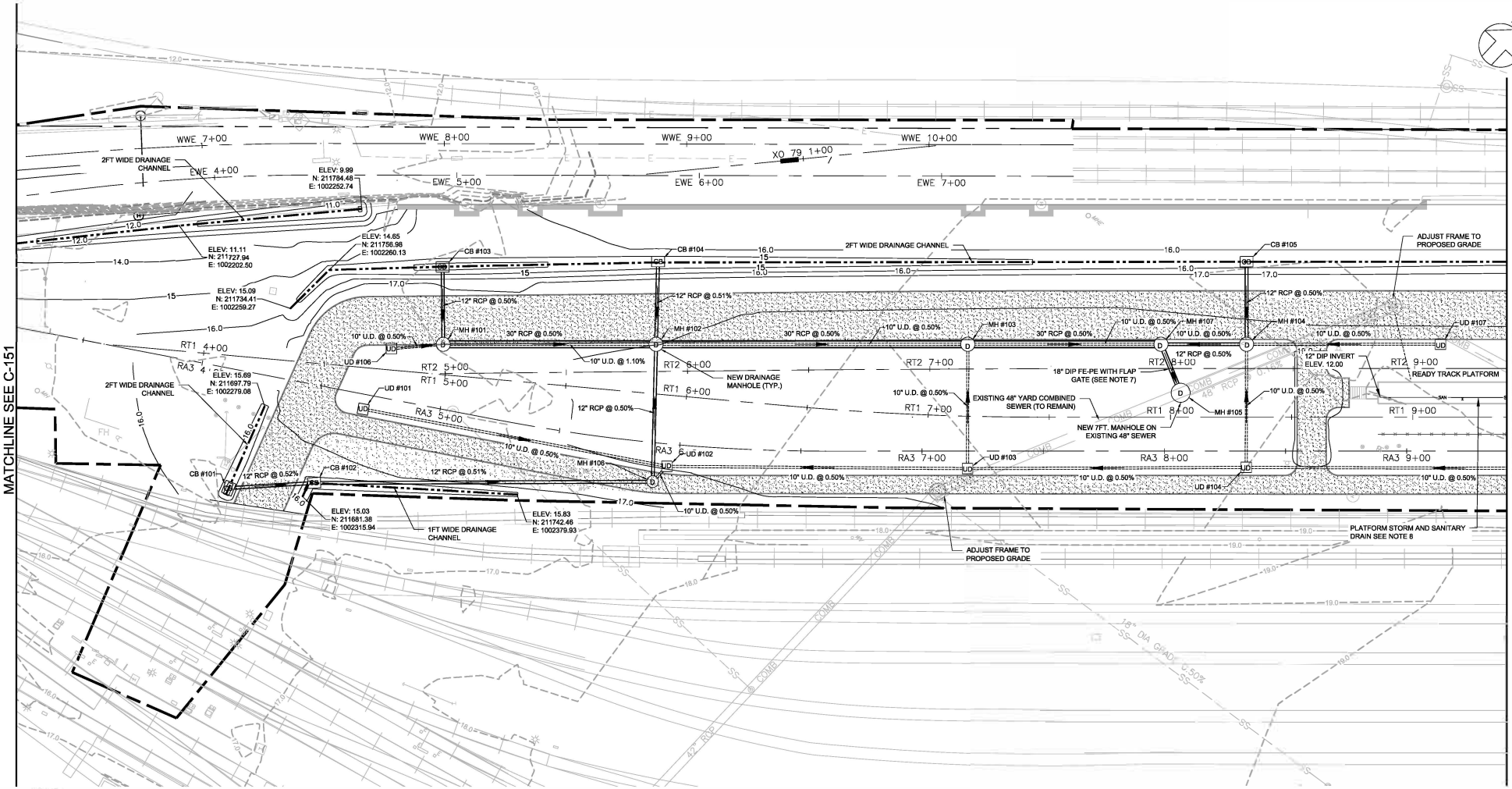
in association with
WSP | SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 1

Designed	GA	Drawn	AG	Checked	AW	Date	8/18/2020

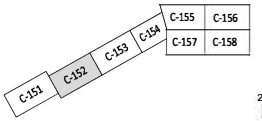
Project Code	
WBS:	
Sheet No.	73 OF 454
Dwg. No.	C-151

FILE NAME: C-151 - SSY-BB-C-151-158.grd



NOTES:

1. SEE GENERAL DRAINAGE NOTES, DRAWING C-002
2. ALL EXISTING SEWERS WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND VIDEO-INSPECTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWER SYSTEMS
3. ALL UNDERDRAIN WITHIN TRACK AREAS TO BE 10" BITUMINOUS COATED CORRUGATED METAL PIPE (PERFORATED)
4. DRAINAGE DETAILS, SEE DRAWING C-521
5. DRAINAGE STRUCTURES TABLE, SEE DRAWING C-701
6. CONCRETE PIPE TO BE CLASS V RCP FULLY ENCASED IN CONCRETE
7. DUCTILE IRON PIPE TO BE CLASS 56, FLANGED END - PLAIN END (FE-PE). FLANGED END TO BE INSTALLED DOWNSTREAM TO FACILITATE FLAP GATE INSTALLATION
8. SEE ARCHITECTURAL DRAWING A-102 FOR PLATFORM DOWNSPOUT LOCATIONS AND DETAILS.
9. LARGER DRAINAGE SEWERS ARE TO BE CONSTRUCTED BENEATH UNDERDRAINS IN SOME LOCATIONS. REFER TO DRAINAGE PROFILES FOR DETAILS.
10. EXISTING SEWER MANHOLES WITHIN THE LIMITS OF TRACK RA3 TO BE MODIFIED. SEE DETAILS ON DRAWING C-526 FOR REMOVAL AND RECONSTRUCTION OF EXISTING MANHOLE CHIMNEY AND COVER.



KEY PLAN

20 10 0 20 40
SCALE IN FEET
SCALE 1" = 20'

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No.	Revisions	Date	By

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Office of Chief Engineer
STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
-	

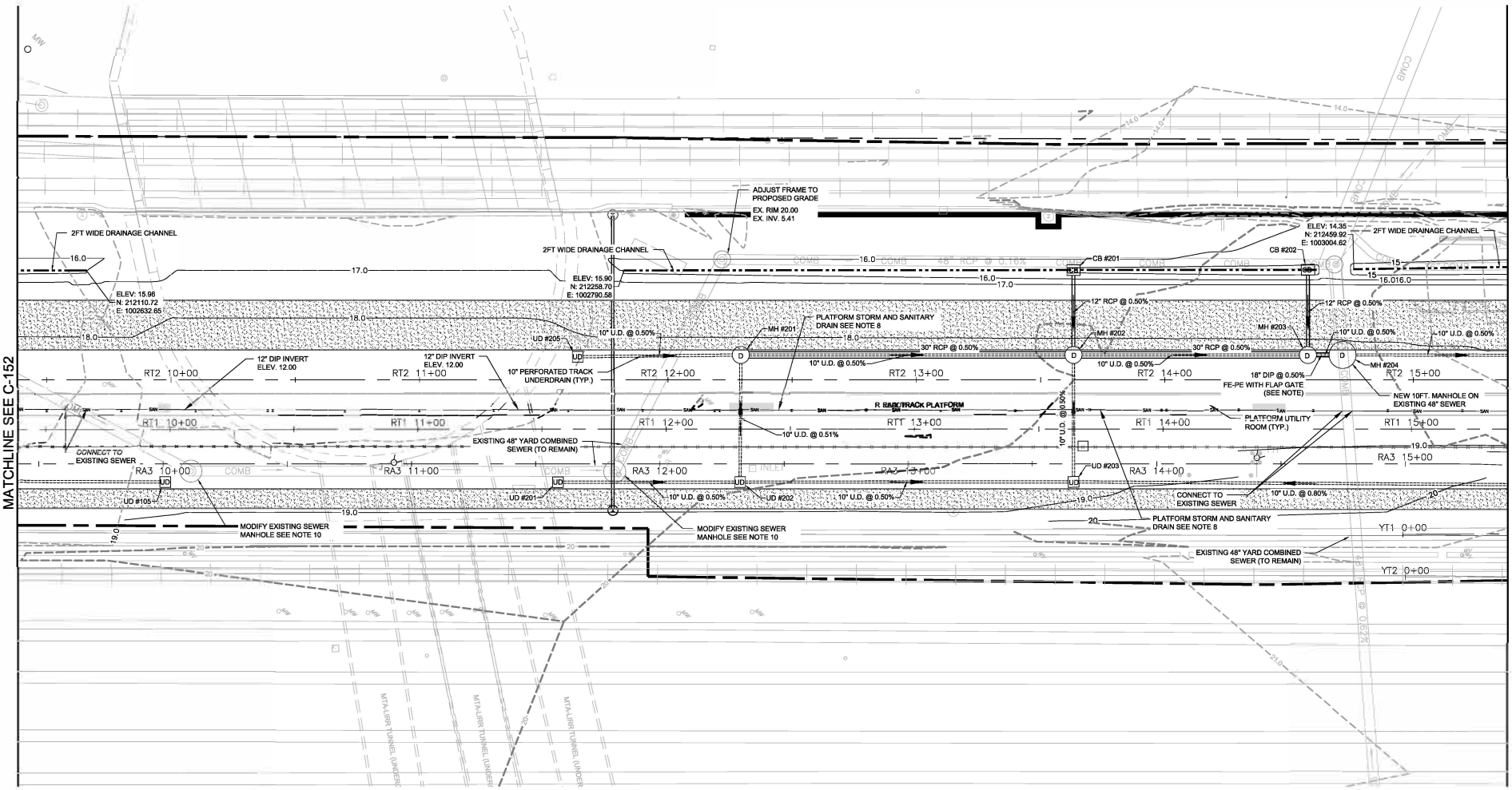
In Joint Venture
Gannett Fleming | STW
in association with
WSP | SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 2

Designed	GA	Drawn	AG	Checked	AW	Date	8/18/2020

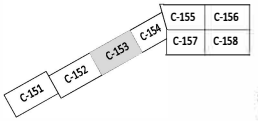
Project Code	
WBS:	
Sheet No.	74 OF 454
Dwg. No.	C-152

FILE NAME: C-152 - SSY-DB-C-151-156.dgn



NOTES:

1. SEE GENERAL DRAINAGE NOTES, DRAWING C-002
2. ALL EXISTING SEWERS WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND VIDEO-INSPECTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWER SYSTEMS
3. ALL UNDERDRAIN WITHIN TRACK AREAS TO BE 10" BITUMINOUS COATED CORRUGATED METAL PIPE (PERFORATED)
4. DRAINAGE DETAILS, SEE DRAWING C-521
5. DRAINAGE STRUCTURES TABLE, SEE DRAWING C-701
6. CONCRETE PIPE TO BE CLASS V RCP FULLY ENCASED IN CONCRETE
7. DUCTILE IRON PIPE TO BE CLASS 56, FLANGED END - PLAIN END (FE-PE). FLANGED END TO BE INSTALLED DOWNSTREAM TO FACILITATE FLAP GATE INSTALLATION
8. SEE ARCHITECTURAL DRAWING A-102 FOR PLATFORM DOWNSPOUT LOCATIONS AND DETAILS.
9. LARGER DRAINAGE SEWERS ARE TO BE CONSTRUCTED BENEATH UNDERDRAINS IN SOME LOCATIONS. REFER TO DRAINAGE PROFILES FOR DETAILS.
10. EXISTING SEWER MANHOLES WITHIN THE LIMITS OF TRACK RA3 TO BE MODIFIED. SEE DETAILS ON DRAWING C-526 FOR REMOVAL AND RECONSTRUCTION OF EXISTING MANHOLE CHIMNEY AND COVER.



KEY PLAN

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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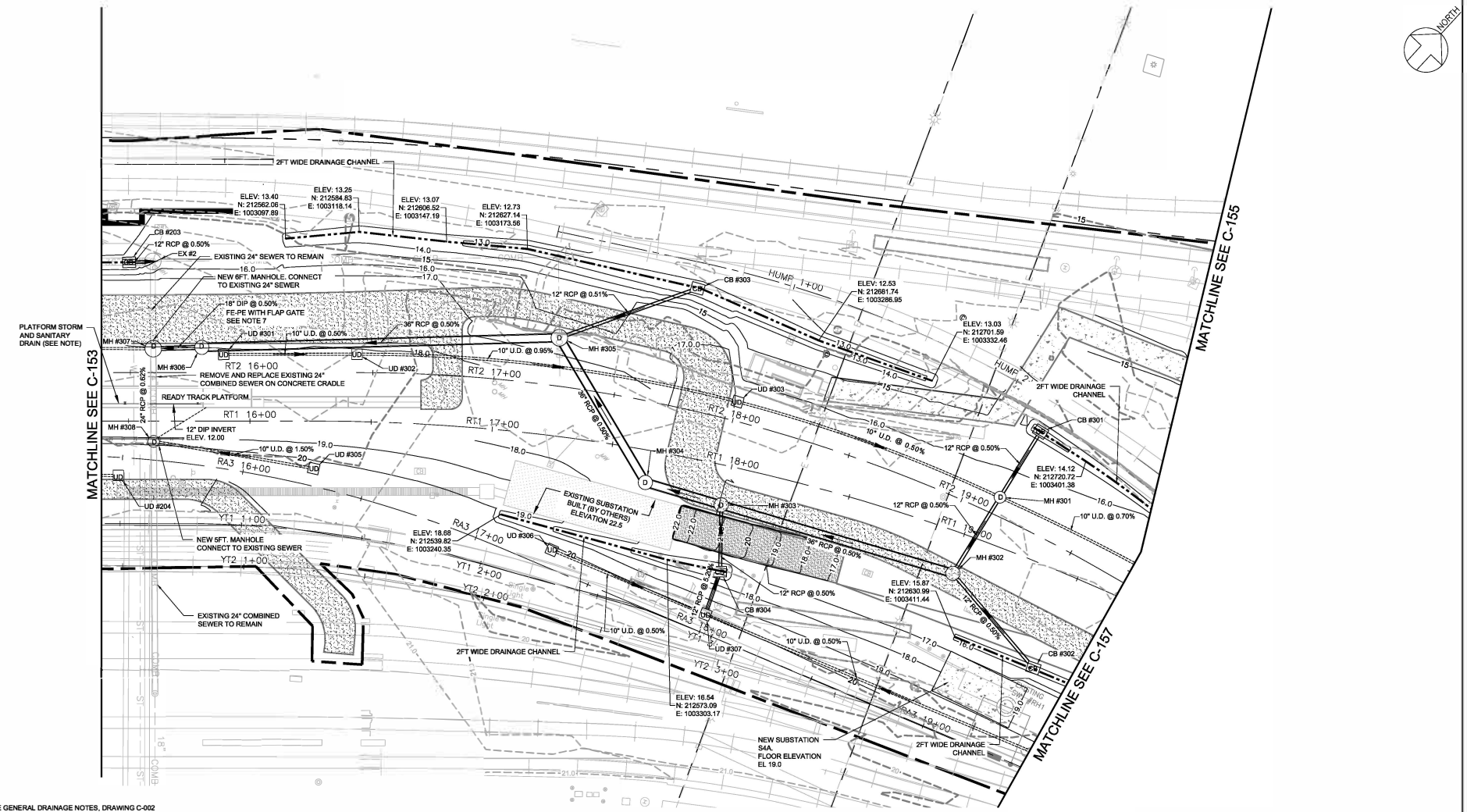
In Joint Venture
Gannett Fleming
STW
WSP
SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 3

Designed	GA	Drawn	AG	Checked	AW	Date	8/18/2020

Project Code	
WBS	
Sheet No.	75 OF 454
Dwg. No.	C-153

FILE NAME: C-153 - SSY-08-C-151-155.grd



NOTES:

1. SEE GENERAL DRAINAGE NOTES, DRAWING C-002
2. ALL EXISTING SEWERS WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND VIDEO-INSPECTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWER SYSTEMS
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KEY PLAN

C-151	C-152	C-153
C-154	C-155	C-156
C-157	C-158	

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National RailroadPassenger Corporation
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WSP | SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 4

Designed	GA	Drawn	AG	Checked	AW	Date	8/18/2020

Project Code	
WBS:	
Sheet No.	78 OF 454
Dwg. No.	C-154

FILE NAME: C-154 - SSY-08-C-151-158.dgn

NOTES:

1. SEE GENERALDRAINAGE NOTES, DRAWINGC-002
2. ALL EXISTING SEWERS WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND VIDEO-INSPECTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWER SYSTEMS
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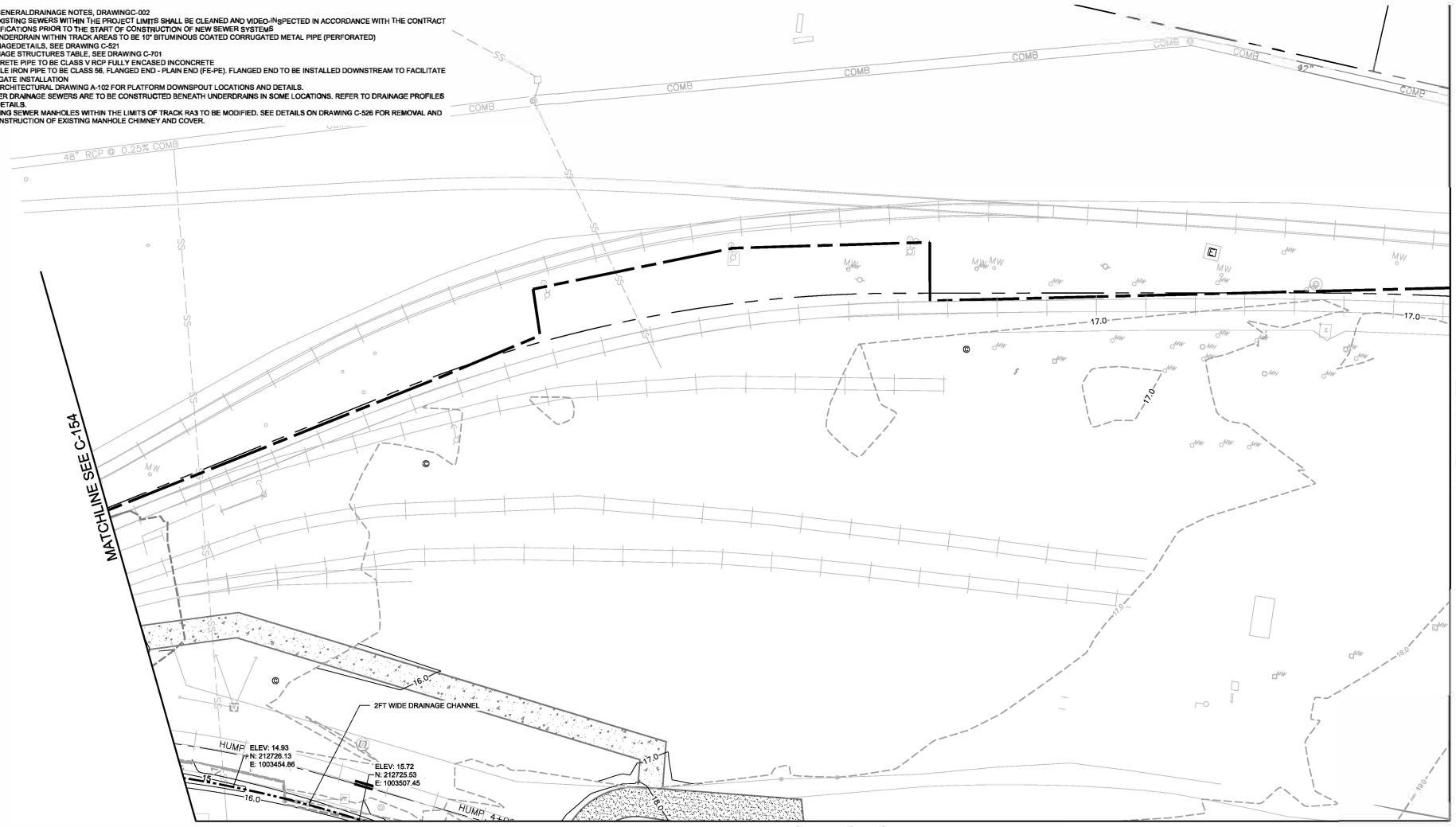

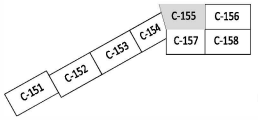

KEY PLAN

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STRUCTURES
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 5

Designed	GA	Drawn	AG	Checked	AW	Date	8/18/2020

Project Code:
WBS:
Sheet No. 77 OF 454
Dwg. No. C-155

FILE NAME: C-155 - SSY-RB-C-151-155.grd

NOTES:

1. NO DRAINAGE WORK ON THIS SHEET

KEY PLAN

C-151	C-152	C-153	C-154	C-155 / C-156 / C-157 / C-158

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30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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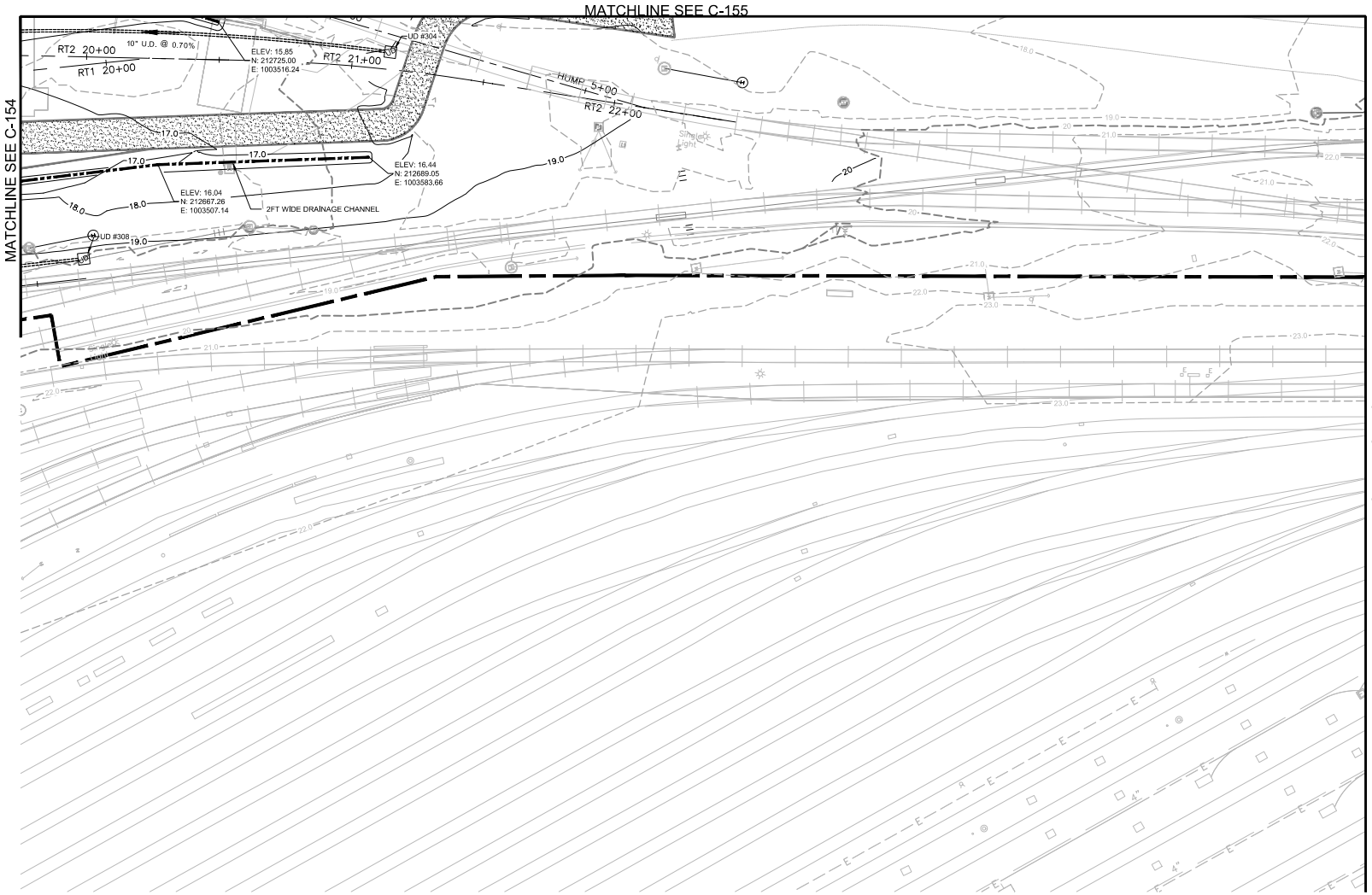
LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 6

Designed GA | Drawn AG | Checked AW | Date 9/18/2020

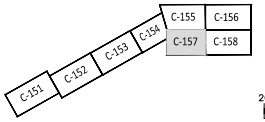
Project Code	
WBS:	
Sheet No.	78 OF 454
Dwg. No.	C-156

FILE NAME: C-156 - SSY-DB-C-151-156.grd



NOTES:

1. NO DRAINAGE WORK ON THIS SHEET



KEY PLAN

20 10 0 20 40

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30th Street Station, Philadelphia, Pennsylvania 19104

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LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE PLAN SHEET 7

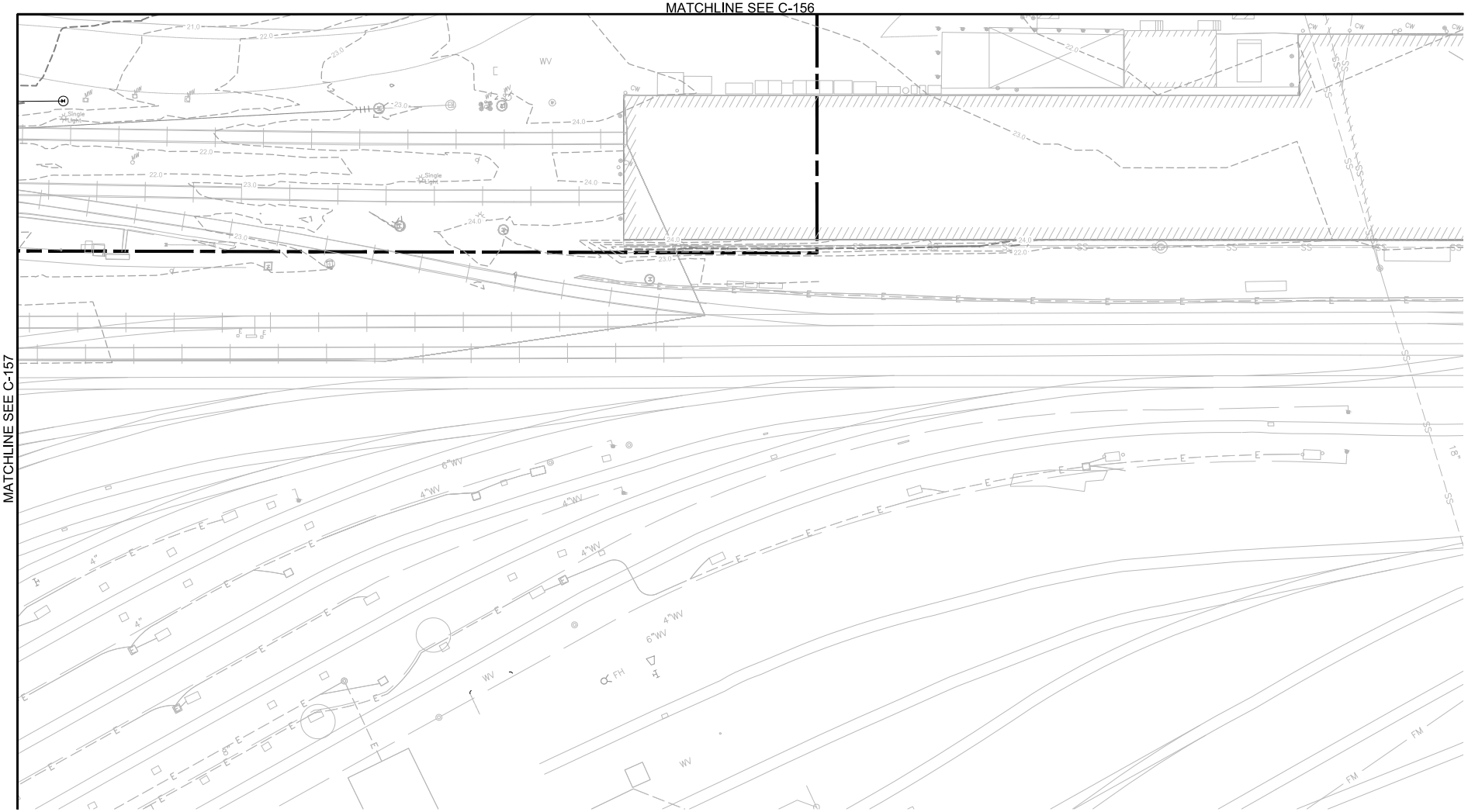
Designed GA | Drawn AG | Checked AW | Date 9/18/2020

Project Code:	
WBS:	
Sheet No.	79 OF 454
Dwg. No.	C-157

FILE NAME: C-157-SSY-DR-C-151-185.dgn

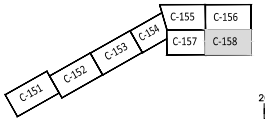
MATCHLINE SEE C-156

MATCHLINE SEE C-157



NOTES:

1. NO DRAINAGE WORK ON THIS SHEET



KEY PLAN

20 10 0 20 40

SCALE IN FEET
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No.	Revisions	Date	By

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National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date
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In Joint Venture
Gannett Fleming STV
in association with
wsp SOWINSKI SULLIVAN

LONG ISLAND CITY NEW YORK
SUNNYSIDE YARD EXPANSION PHASE 1
READY TRACKS RA-3, RT-1, AND RT-2
GRADING & DRAINAGE SHEET 8

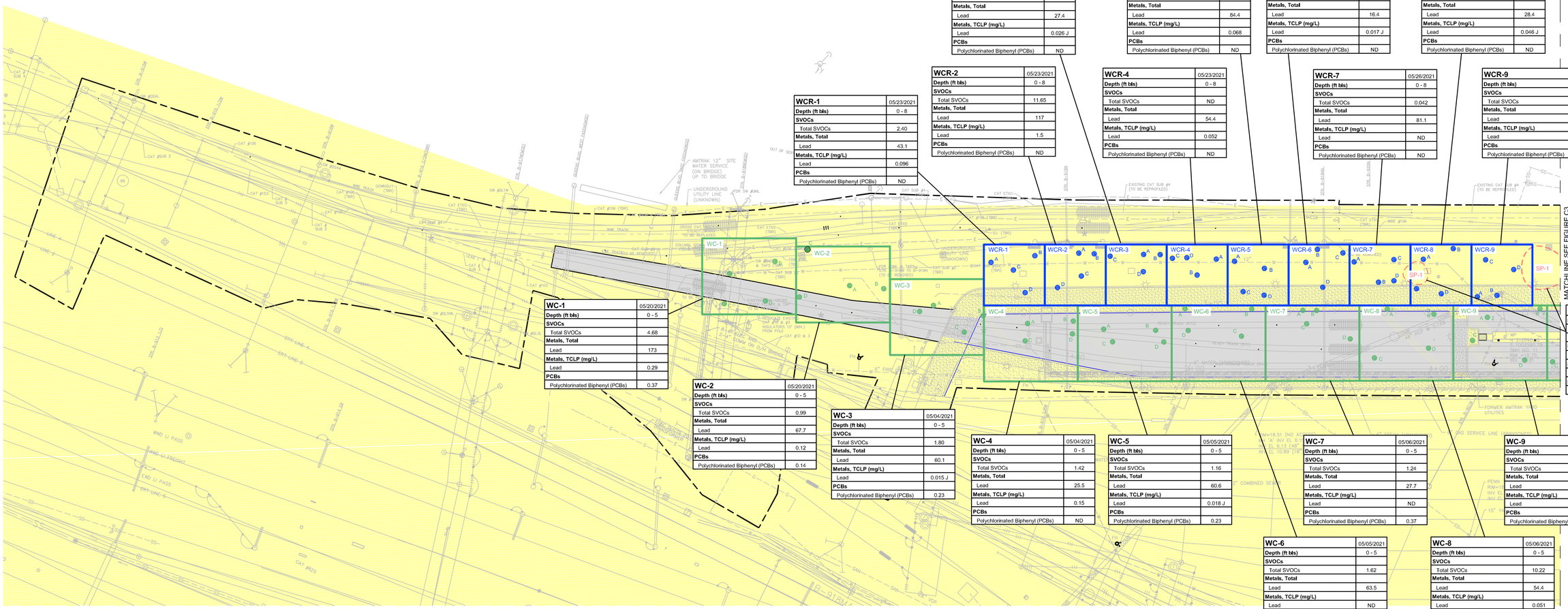
Designed	GA	Drawn	AG	Checked	AW	Date	9/18/2020

Project Code:	
WBS:	
Sheet No.	80 OF 454
Dwg. No.	C-158

FILE NAME: C-158-SSY-09-C-151-185.dgn

APPENDIX C

Proposed Acela / Ready Tracks Limits of
Excavation Figures and Sample Results



WCR-1	05/23/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	2.40
Metals, Total	
Lead	43.1
Metals, TCLP (mg/L)	
Lead	0.096
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-2	05/23/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	11.65
Metals, Total	
Lead	117
Metals, TCLP (mg/L)	
Lead	1.5
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-3	05/23/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.779
Metals, Total	
Lead	27.4
Metals, TCLP (mg/L)	
Lead	0.026 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-4	05/23/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	ND
Metals, Total	
Lead	54.4
Metals, TCLP (mg/L)	
Lead	0.052
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-5	05/26/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	2.033
Metals, Total	
Lead	84.4
Metals, TCLP (mg/L)	
Lead	0.068
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-6	05/26/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.82
Metals, Total	
Lead	16.4
Metals, TCLP (mg/L)	
Lead	0.017 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-7	05/26/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.042
Metals, Total	
Lead	81.1
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-8	05/27/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	1.66
Metals, Total	
Lead	28.4
Metals, TCLP (mg/L)	
Lead	0.046 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-9	05/27/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	11.92
Metals, Total	
Lead	40.6
Metals, TCLP (mg/L)	
Lead	0.03 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-1	05/20/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	4.68
Metals, Total	
Lead	173
Metals, TCLP (mg/L)	
Lead	0.29
PCBs	
Polychlorinated Biphenyl (PCBs)	0.37

WC-2	05/20/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	0.99
Metals, Total	
Lead	67.7
Metals, TCLP (mg/L)	
Lead	0.12
PCBs	
Polychlorinated Biphenyl (PCBs)	0.14

WC-3	05/04/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.80
Metals, Total	
Lead	60.1
Metals, TCLP (mg/L)	
Lead	0.015 J
PCBs	
Polychlorinated Biphenyl (PCBs)	0.23

WC-4	05/04/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.42
Metals, Total	
Lead	25.5
Metals, TCLP (mg/L)	
Lead	0.15
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-5	05/05/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.16
Metals, Total	
Lead	60.6
Metals, TCLP (mg/L)	
Lead	0.018 J
PCBs	
Polychlorinated Biphenyl (PCBs)	0.23

WC-6	05/05/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.62
Metals, Total	
Lead	63.5
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.089

WC-7	05/06/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.24
Metals, Total	
Lead	27.7
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.37

WC-8	05/06/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	10.22
Metals, Total	
Lead	54.4
Metals, TCLP (mg/L)	
Lead	0.051
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-9	05/10/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.80
Metals, Total	
Lead	82.7
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.063 J

SP-1_WC-8_9_10	06/07/2021
Depth (ft bls)	0 - 0
SVOCs	
Total SVOCs	22.94
Metals, Total	
Lead	148
Metals, TCLP (mg/L)	
Lead	0.12
PCBs	
Polychlorinated Biphenyl (PCBs)	0.13

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–8 FT BLS INTERVAL
- WC-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WCR-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- STOCKPILE BOUNDARY
- APPROXIMATE LIMIT OF CONSTRUCTION
- OU-4 AREA

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5–10 FT BLS AND/OR 10–18 FT BLS SAMPLE INTERVALS.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → WCR-8	05/27/2021 ← SAMPLE DATE
Depth (ft bls)	0 - 8 ← SAMPLE DEPTH
SVOCs	
ANALYTES → Total SVOCs	1.66 ← CONCENTRATION
Metals, Total	
Lead	28.4
Metals, TCLP (mg/L)	
Lead	0.046 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level

40' 0 40'

Title:
SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 1 AND BLOCK 2
ACELA/READY TRACKS

Prepared For:
AMTRAK

ROUX

Compiled by: J.W	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C1
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

V:\CAD\PROJECTS\0055Y\0148Y\100\XPFNDX_C\0055.0148Y100.05.DWG

WCR-10	05/28/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	2.60
Metals, Total	
Lead	109
Metals, TCLP (mg/L)	
Lead	**15.8**
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

CA-1	05/14/2021
Depth (ft bls)	0 - 2
SVOCs	
Total SVOCs	2.24
Metals, Total	
Lead	64
Metals, TCLP (mg/L)	
Lead	0.18
PCBs	
Polychlorinated Biphenyl (PCBs)	0.3

SP-2_WC-11_12_13	06/08/2021
Depth (ft bls)	0 - 0
SVOCs	
Total SVOCs	5.07
Metals, Total	
Lead	160
Metals, TCLP (mg/L)	
Lead	0.083
PCBs	
Polychlorinated Biphenyl (PCBs)	0.19

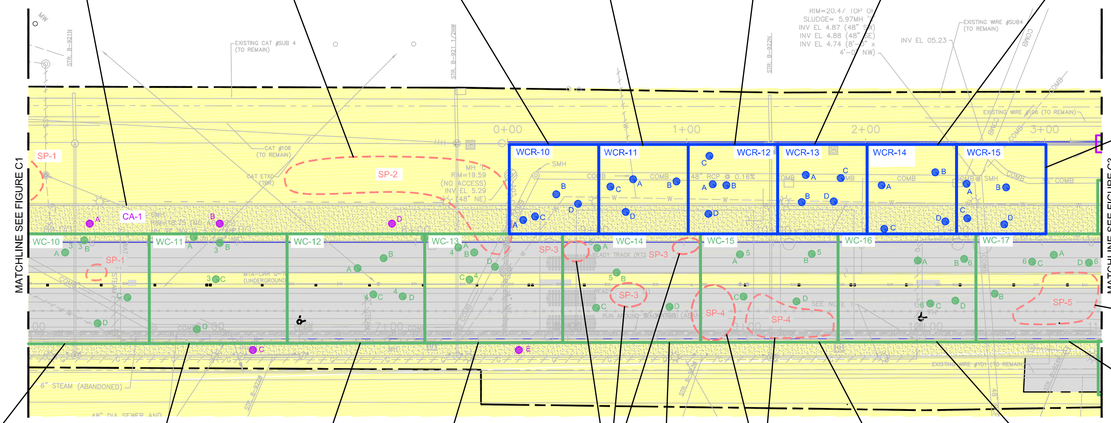
WCR-11	05/28/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	8.90
Metals, Total	
Lead	74.8
Metals, TCLP (mg/L)	
Lead	0.084
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-12	05/28/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.078
Metals, Total	
Lead	11.5
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-13	06/01/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.191
Metals, Total	
Lead	13.8 J
Metals, TCLP (mg/L)	
Lead	0.03 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-14	06/01/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.673
Metals, Total	
Lead	19.7
Metals, TCLP (mg/L)	
Lead	0.02 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WCR-15	06/02/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	0.826
Metals, Total	
Lead	12.7
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	ND



SP-5_WC-16-17	06/08/2021
Depth (ft bls)	0 - 0
SVOCs	
Total SVOCs	3.65
Metals, Total	
Lead	147
Metals, TCLP (mg/L)	
Lead	0.22
PCBs	
Polychlorinated Biphenyl (PCBs)	7.5

WC-17	05/16/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.90
Metals, Total	
Lead	48.3
Metals, TCLP (mg/L)	
Lead	0.3
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-10	05/11/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	8.64
Metals, Total	
Lead	65.2
Metals, TCLP (mg/L)	
Lead	0.017 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-11	05/12/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	6.18
Metals, Total	
Lead	122
Metals, TCLP (mg/L)	
Lead	0.085
PCBs	
Polychlorinated Biphenyl (PCBs)	0.074

WC-12	05/13/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	2.48
Metals, Total	
Lead	71.6
Metals, TCLP (mg/L)	
Lead	0.3
PCBs	
Polychlorinated Biphenyl (PCBs)	0.078

SP-3_WC-14	06/07/2021
Depth (ft bls)	0 - 0
Metals, Total	
Lead	8.7
Metals, TCLP (mg/L)	
Lead	0.026 J

SP-4_WC-14_15	06/08/2021
Depth (ft bls)	0 - 0
SVOCs	
Total SVOCs	9.45
Metals, Total	
Lead	34.2
Metals, TCLP (mg/L)	
Lead	0.086
PCBs	
Polychlorinated Biphenyl (PCBs)	0.84

WC-13	05/14/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.82
Metals, Total	
Lead	85.9
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.062 J

WC-14	05/15/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.60
Metals, Total	
Lead	123
Metals, TCLP (mg/L)	
Lead	0.059
PCBs	
Polychlorinated Biphenyl (PCBs)	0.94

WC-15	05/15/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.34
Metals, Total	
Lead	45.4
Metals, TCLP (mg/L)	
Lead	0.051
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-16	05/15/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.69
Metals, Total	
Lead	58.7
Metals, TCLP (mg/L)	
Lead	0.097
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–8 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–2 FT BLS INTERVAL (SOIL FROM EACH SOIL BORING WAS COMPOSITED INTO ONE SAMPLE)
- WC-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WCR-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- CA-1: LOCATION AND DESIGNATION OF SHALLOW WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 2 FT BLS)
- STOCKPILE BOUNDARY
- APPROXIMATE LIMIT OF CONSTRUCTION
- OU–4 AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID#	WC-10	05/11/2021	SAMPLE DATE
	Depth (ft bls)	0 - 5	SAMPLE DEPTH
ANALYTES	**SVOCs**		
	Total SVOCs	8.64	CONCENTRATION
	Metals, Total		
	Lead	65.2	
	Metals, TCLP (mg/L)		
	Lead	0.017 J	
	PCBs		
	Polychlorinated Biphenyl (PCBs)	ND	

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	**--**	mg/kg
Metals, Total			
Lead	**3900**	**--**	mg/kg
Metals, TCLP			
Lead	**--**	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	**--**	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5–10 FT BLS AND/OR 10–18 FT BLS SAMPLE INTERVALS.
4. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
5. FT BLS – FEET BELOW LAND SURFACE

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 3

ACELA/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: J.W.	Date: 03JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C2
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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WC-30	05/17/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	9.07
Metals, Total	
Lead	70.1
Metals, TCLP (mg/L)	
Lead	0.085
PCBs	
Polychlorinated Biphenyl (PCBs)	2.4 J-

WC-18	05/11/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	4.43
Metals, Total	
Lead	183
Metals, TCLP (mg/L)	
Lead	0.4
PCBs	
Polychlorinated Biphenyl (PCBs)	0.066 J

WC-28	05/18/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.89
Metals, Total	
Lead	99.1
Metals, TCLP (mg/L)	
Lead	0.16
PCBs	
Polychlorinated Biphenyl (PCBs)	0.19

WC-29	05/18/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	5.59
Metals, Total	
Lead	248
Metals, TCLP (mg/L)	
Lead	0.19
PCBs	
Polychlorinated Biphenyl (PCBs)	1.7

WC-20	05/13/2021	05/20/2021	05/20/2021
Depth (ft bls)	0 - 5	5 - 10	10 - 18
SVOCs			
Total SVOCs	4.53	25.75	16.63
Metals, Total			
Lead	85.6	45.9	8.4
Metals, TCLP (mg/L)			
Lead	0.15	0.038 J	0.16
PCBs			
Polychlorinated Biphenyl (PCBs)	0.11	0.11	ND

WC-21	06/05/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	6.09
Metals, Total	
Lead	306
Metals, TCLP (mg/L)	
Lead	0.13
PCBs	
Polychlorinated Biphenyl (PCBs)	**79**

WCR-16	06/04/2021
Depth (ft bls)	0 - 8
SVOCs	
Total SVOCs	3.15
Metals, Total	
Lead	319
Metals, TCLP (mg/L)	
Lead	0.28
PCBs	
Polychlorinated Biphenyl (PCBs)	0.31

WC-22	06/07/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.57
Metals, Total	
Lead	241
Metals, TCLP (mg/L)	
Lead	0.14
PCBs	
Polychlorinated Biphenyl (PCBs)	3.1

WL-1	06/08/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	6.11
Metals, Total	
Lead	6
Metals, TCLP (mg/L)	
Lead	0.023 J
PCBs	
Polychlorinated Biphenyl (PCBs)	0.17

WCR-17	06/04/2021
Depth (ft bls)	0 - 8
SVOCs	
Tot al SVOCs	0.843
Metals, Total	
Lead	76.1
Metals, TCLP (mg/L)	
Lead	0.038 J
PCBs	
Polychlorinated Biphenyl (PCBs)	0.74

WC-23	06/03/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	0.68
Metals, Total	
Lead	107
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-24	06/02/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	2.26
Metals, Total	
Lead	95.2
Metals, TCLP (mg/L)	
Lead	0.025 J
PCBs	
Polychlorinated Biphenyl (PCBs)	2.4

WL-2	06/08/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	$4.87
Metals, Total	
Lead	58
Metals, TCLP (mg/L)	
Lead	0.12
PCBs	
Polychlorinated Biphenyl (PCBs)	0.5

WL-3	06/09/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	6.34
Metals, Total	
Lead	21.3
Metals, TCLP (mg/L)	
Lead	0.17
PCBs	
Polychlorinated Biphenyl (PCBs)	0.38

WC-19	05/13/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.88
Metals, Total	
Lead	127
Metals, TCLP (mg/L)	
Lead	0.38
PCBs	
Polychlorinated Biphenyl (PCBs)	0.22

WC-27	05/17/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	1.18
Metals, Total	
Lead	81.9
Metals, TCLP (mg/L)	
Lead	0.044 J
PCBs	
Polychlorinated Biphenyl (PCBs)	1.5

WC-25	06/07/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	3.90
Metals, Total	
Lead	183
Metals, TCLP (mg/L)	
Lead	0.072
PCBs	
Polychlorinated Biphenyl (PCBs)	3.5

CA-2	06/11/2021
Depth (ft bls)	0 - 2
SVOCs	
Total SVOCs	1.95
Metals, Total	
Lead	205
Metals, TCLP (mg/L)	
Lead	0.092
PCBs	
Polychlorinated Biphenyl (PCBs)	0.89

WC-26	06/04/2021
Depth (ft bls)	0 - 5
SVOCs	
Total SVOCs	0.67
Metals, Total	
Lead	48.5
Metals, TCLP (mg/L)	
Lead	0.03 J
PCBs	
Polychlorinated Biphenyl (PCBs)	1.5

MATCHLINE SEE FIGURE C2

MATCHLINE SEE FIGURE C4

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-5 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-10 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-8 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-2 FT BLS INTERVAL (SOIL FROM EACH SOIL BORING WAS COMPOSITED INTO ONE SAMPLE)
- WC-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WL-1: LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WCR-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- CA-1: LOCATION AND DESIGNATION OF SHALLOW WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 2 FT BLS)
- WATER LINE (APPROXIMATE)
- APPROXIMATE LIMIT OF CONSTRUCTION
- OU-3 AREA
- OU-4 AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID	WC-26	06/04/2021	SAMPLE DATE
	Depth (ft bls)	0 - 5	SAMPLE DEPTH
ANALYTES	**SVOCs**		
	Total SVOCs	0.67	CONCENTRATION
	Metals, Total		
	Lead	48.5	
	Metals, TCLP (mg/L)		
	Lead	0.03 J	
	PCBs		
	Polychlorinated Biphenyl (PCBs)	1.5	

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKGOR_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. SOIL SAMPLES COLLECTED FROM THE 0-5 FT BLS SAMPLE INTERVAL WERE COLLECTED FROM THE EXISTING EXCAVATIONS IN GRIDS WC-18, WC-19, WC-20, WC-27, AND WC-28. LOCATIONS DESIGNATED AS A, B, C, AND D WITHIN THESE GRID CELLS REPRESENT LOCATIONS WITHIN THE EXCAVATIONS THAT WERE COLLECTED FROM THE 0-5 FT BLS SAMPLE INTERVAL.
3. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5-10 FT BLS AND/OR 10-18 FT BLS SAMPLE INTERVALS.
4. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
5. FT BLS - FEET BELOW LAND SURFACE

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 4 AND BLOCK 8

ACELA/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C3
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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WL-4	06/09/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	14.31
Metals, Total	
Lead	26
Metals, TCLP (mg/L)	
Lead	0.11
PCBs	
Polychlorinated Biphenyl (PCBs)	0.79

WL-5	06/10/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	ND
Metals, Total	
Lead	2.7
Metals, TCLP (mg/L)	
Lead	0.012 J
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–10 FT BLS INTERVAL
- WL-4 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WATER LINE (APPROXIMATE)
- OU–2 AREA
- OU–3 AREA
- APPROXIMATE LIMIT OF CONSTRUCTION

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. COMPOSITE SAMPLES FROM GRID CELLS WL–1 THROUGH WL–6 WERE COLLECTED FROM THE 0–10 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → | WL-4 | 06/09/2021 ← SAMPLE DATE

	Depth (ft bls)	0 - 10 ← SAMPLE DEPTH
ANALYTES	**SVOCs**	
	Total SVOCs	14.31
	Metals, Total	
	Lead	26
	Metals, TCLP (mg/L)	
	Lead	0.11
	PCBs	
	Polychlorinated Biphenyl (PCBs)	0.79

CONCENTRATION

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level

N

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 7

ACELA/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C4
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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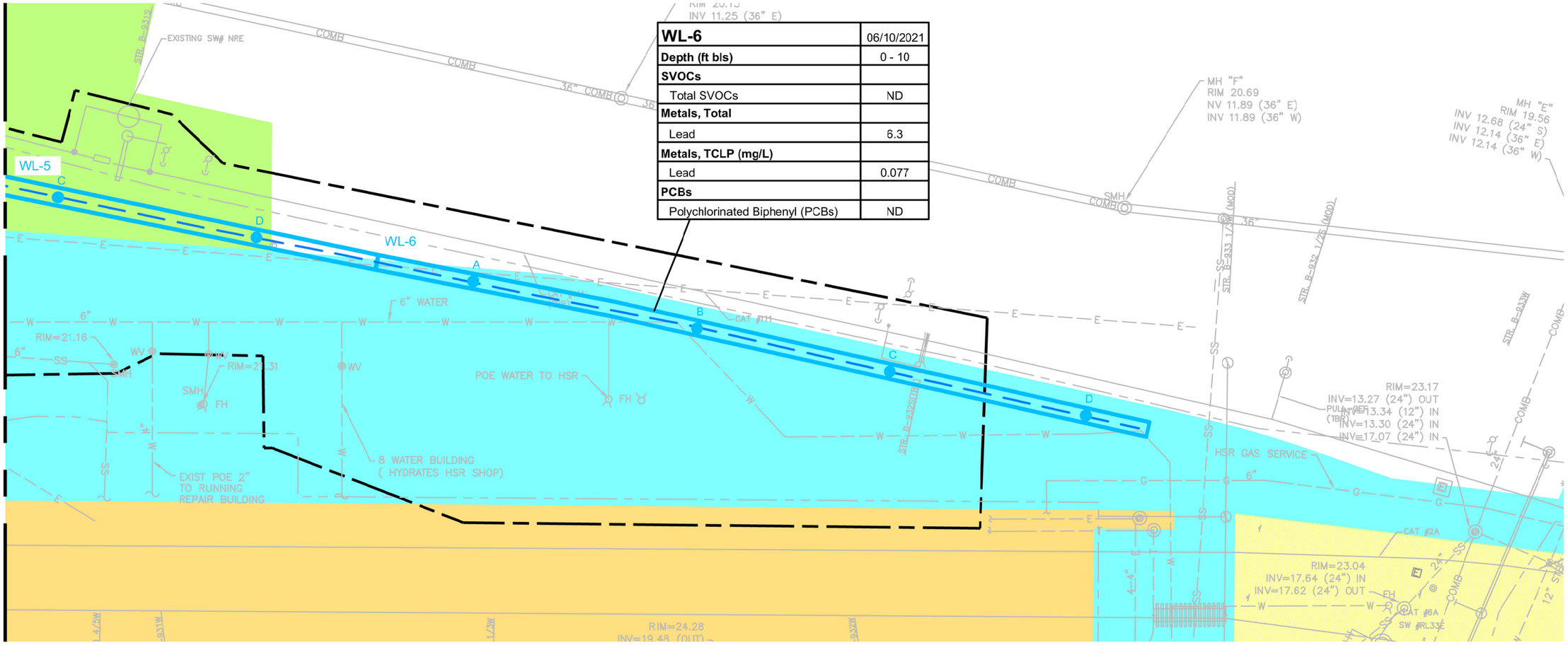

WL-6	06/10/2021
Depth (ft bls)	0 - 10
SVOCs	
Total SVOCs	ND
Metals, Total	
Lead	6.3
Metals, TCLP (mg/L)	
Lead	0.077
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

MATCHLINE SEE FIGURE C5

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–10 FT BLS INTERVAL
- WL-5 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WATER LINE (APPROXIMATE)
- APPROXIMATE LIMIT OF CONSTRUCTION
- OU–1 AREA
- OU–2 AREA
- OU–3 AREA
- OU–4 AREA

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020–09–18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. COMPOSITE SAMPLES FROM GRID CELLS WL–1 THROUGH WL–6 WERE COLLECTED FROM THE 0–10 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → **WL-6** | 06/10/2021 ← SAMPLE DATE

Depth (ft bls)	0 - 10	← SAMPLE DEPTH
SVOCs		
Total SVOCs	ND	ANALYTES / CONCENTRATION
Metals, Total		
Lead	6.3	
Metals, TCLP (mg/L)		
Lead	0.077	
PCBs		
Polychlorinated Biphenyl (PCBs)	ND	

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level

N

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 9

ACELA/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C5
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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LEGEND

- LOCATION OF SOIL BORINGS WITH SAMPLES COLLECTED FROM THE 5–10 FT BLS INTERVAL
- WC-6/WC-7 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- STOCKPILE BOUNDARY
- APPROXIMATE LIMIT OF CONSTRUCTION
- OU–4 AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID#	**WC-6_WC-7**	05/06/2021 ← SAMPLE DATE
	Depth (ft bls)	5 - 10 ← SAMPLE DEPTH
ANALYTES	**SVOCs**	
	Total SVOCs	19.45
	Metals, Total	
	Lead	162
	Metals, TCLP (mg/L)	
	Lead	0.077
	PCBs	
	Polychlorinated Biphenyl (PCBs)	ND

CONCENTRATION

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatory Level

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. IN GRID CELLS WC–6 AND WC–7, THREE BORINGS WERE COMPLETED. REFUSAL WAS ENCOUNTERED FOR TWO BORINGS AND A THIRD BORING WAS NEEDED TO COLLECT A 5–10 FT BLS SAMPLE INTERVAL IN THESE GRID CELLS.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

40' 0 40'

Title:

DEEP SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 1 AND BLOCK 2

ACELA/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C6
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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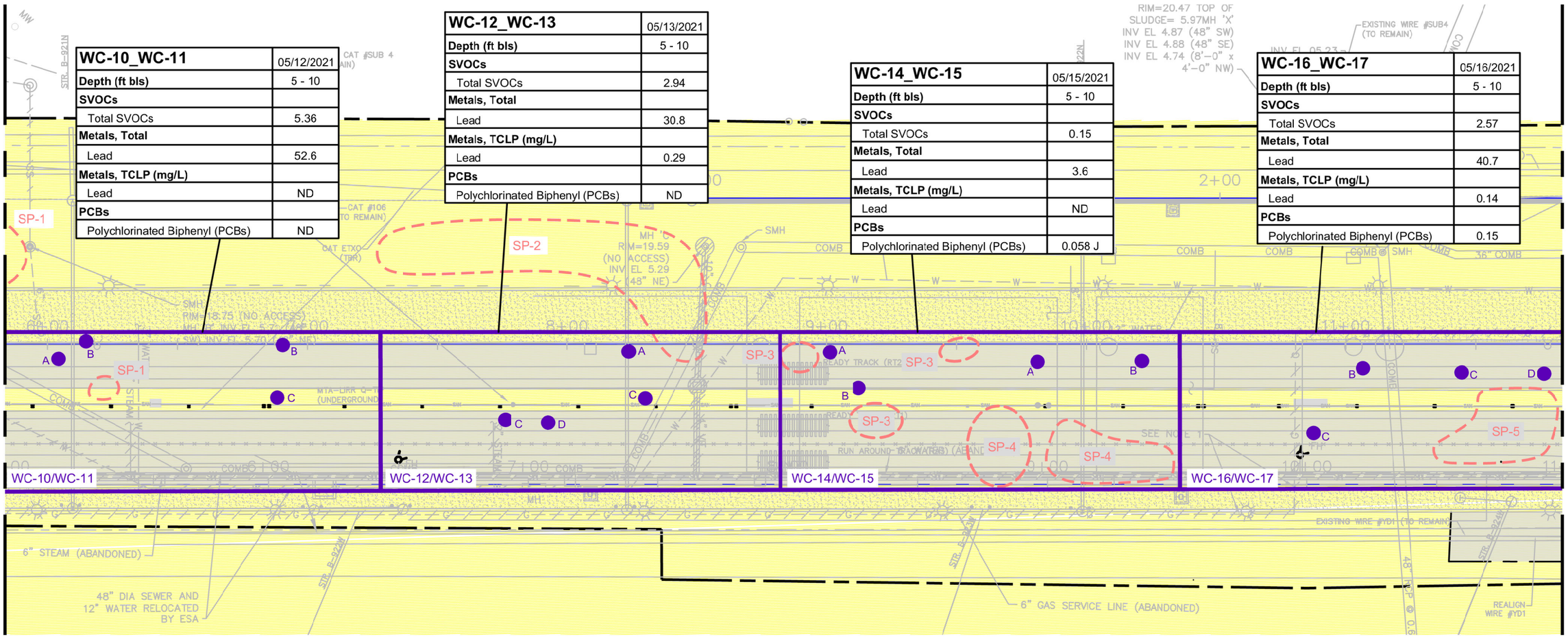
WC-10_WC-11	05/12/2021
Depth (ft bls)	5 - 10
SVOCs	
Total SVOCs	5.36
Metals, Total	
Lead	52.6
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-12_WC-13	05/13/2021
Depth (ft bls)	5 - 10
SVOCs	
Total SVOCs	2.94
Metals, Total	
Lead	30.8
Metals, TCLP (mg/L)	
Lead	0.29
PCBs	
Polychlorinated Biphenyl (PCBs)	ND

WC-14_WC-15	05/15/2021
Depth (ft bls)	5 - 10
SVOCs	
Total SVOCs	0.15
Metals, Total	
Lead	3.6
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.058 J

WC-16_WC-17	05/16/2021
Depth (ft bls)	5 - 10
SVOCs	
Total SVOCs	2.57
Metals, Total	
Lead	40.7
Metals, TCLP (mg/L)	
Lead	0.14
PCBs	
Polychlorinated Biphenyl (PCBs)	0.15



LEGEND

- LOCATION OF SOIL BORINGS WITH SAMPLES COLLECTED FROM THE 5–10 FT BLS INTERVAL
- WC-6/WC-7 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- STOCKPILE BOUNDARY
- OU–4 AREA
- APPROXIMATE LIMIT OF CONSTRUCTION

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → WC-14_WC-15	05/15/2021 ← SAMPLE DATE
Depth (ft bls) ← SAMPLE DEPTH	5 - 10
SVOCs (ANALYTES)	
Total SVOCs	0.15
Metals, Total	
Lead	3.6
Metals, TCLP (mg/L)	
Lead	ND
PCBs	
Polychlorinated Biphenyl (PCBs)	0.058 J

(CONCENTRATION)

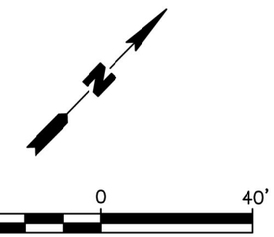
NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. COMPOSITE SAMPLES FROM GRID CELLS WL–1 THROUGH WL–6 WERE COLLECTED FROM THE 0–10 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatoru Level



Title:

DEEP SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 3

ACELA/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C7
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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WC-18_WC-19	05/17/2021	05/17/2021
Depth (ft bls)	5 - 10	10 - 18
SVOCs		
Total SVOCs	3.71	54.72
Metals, Total		
Lead	119	7.9
Metals, TCLP (mg/L)		
Lead	0.24	0.015 J
PCBs		
Polychlorinated Biphenyl (PCBs)	0.12	ND

WC-21_WC-22	06/07/2021	05/07/2021
Depth (ft bls)	5 - 10	10 - 18
SVOCs		
Total SVOCs	ND	ND
Metals, Total		
Lead	10.2	3
Metals, TCLP (mg/L)		
Lead	ND	ND
PCBs		
Polychlorinated Biphenyl (PCBs)	0.13	ND

WC-23_WC-24	06/03/2021	06/03/2021
Depth (ft bls)	5 - 10	10 - 18
SVOCs		
Total SVOCs	ND	ND
Metals, Total		
Lead	8.8	3.3
Metals, TCLP (mg/L)		
Lead	ND	ND
PCBs		
Polychlorinated Biphenyl (PCBs)	ND	ND

MATCHLINE SEE FIGURE C7

LEGEND

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 5–10 FT BLS AND 10–18 FT BLS INTERVAL
- WC-16/WC-18 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 18 FT BLS)
- WATER LINE (APPROXIMATE)
- APPROXIMATE LIMIT OF CONSTRUCTION
- LEAD DETECTION 0–8 FT BLS INTERVAL ABOVE USEPA CRITERIA
- PCB DETECTION 0–5 FT BLS INTERVAL ABOVE YARD–SPECIFIC CRITERIA
- OU–3 AREA
- OU–4 AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID# →	WC-23_WC-24	06/03/2021	06/03/2021	← SAMPLE DATE
	Depth (ft bls)	5 - 10	10 - 18	← SAMPLE DEPTH
ANALYTES →	**SVOCs**			
	Total SVOCs	ND	ND	← CONCENTRATION
	Metals, Total			
	Lead	8.8	3.3	
	Metals, TCLP (mg/L)			
	Lead	ND	ND	
	PCBs			
	Polychlorinated Biphenyl (PCBs)	ND	ND	

Parameter	Yard-Specific Criteria	USEPA Regulatory Levels	Units
SVOCs			
Total SVOCs	**500**	--	mg/kg
Metals, Total			
Lead	**3900**	--	mg/kg
Metals, TCLP			
Lead	--	**5**	mg/L
PCBs			
Polychlorinated Biphenyl (PCBs)	**25**	--	mg/kg

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
SVOCs - Semivolatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure
PCBs - Polychlorinated Biphenyls
ND - No detection
ft bls - Feet below land surface

Bold data indicates that parameter was detected above the Yard-Specific Criteria or USEPA Regulatory Level

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. SOIL SAMPLES COLLECTED FROM THE 0–5 FT BLS SAMPLE INTERVAL WERE COLLECTED FROM THE EXISTING EXCAVATIONS IN GRIDS WC–18, WC–19, WC–20, WC–27, AND WC–28. LOCATIONS DESIGNATED AS A, B, C, AND D WITHIN THESE GRID CELLS REPRESENT LOCATIONS WITHIN THE EXCAVATIONS THAT WERE COLLECTED FROM THE 0–5 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

40' 0 40'

Title:

DEEP SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 4 AND BLOCK 8

ACELA/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: J.W.	Date: 04JAN22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	C8
Prcject Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y100.05.DWG		

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APPENDIX D

In Situ Soil Characterization Summary Report
and Soil Delineation Memorandums

ROUX

In Situ Soil Characterization Summary Report

39-29 Honeywell Street
Queens, New York

September 20, 2021

Prepared for:

National Passenger Railroad Corporation
Washington D.C. 20002

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749

0055.0148Y107/CV

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A. Soil Boring Logs
B. Photographic Log
C. Laboratory Analytical Reports

1. Introduction

Roux Environmental Engineering and Geology D.P.C. (Roux), on behalf of National Railroad Passenger Corporation (Amtrak), has prepared this *In Situ* Soil Characterization Summary Report (Report) to document the results of the *In Situ* Soil Characterization Program completed at Sunnyside Yard, 39-29 Honeywell Street, Queens, New York (Yard) in support of the Acela 21 Construction Project (Acela 21).

Sunnyside Yard is located in an urban area in northwestern Queens County. The Yard consists of a railroad maintenance and storage facility that currently encompasses approximately 133 acres. The Yard functions as a maintenance facility for electric locomotives and railroad cars for Amtrak and a train layover storage yard for New Jersey Transit Corporation (NJTC). The Yard is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 241006, which is administered by the New York State Department of Environmental Conservation (NYSDEC). The Yard was subdivided into six operable units (OUs), OU-1 through OU-6, to streamline and accelerate remedial efforts. The work described in this Work Plan was performed within portions of OU-3 and OU-4.

Based on information provided to Roux and a review of the 100% Civil Drawing Package (04_PKG08_CIVIL_100%_2020-09-18) prepared by Gannett Fleming (GF), STV and WSP dated September 18, 2020, it is Roux's understanding that the Acela 21 work will include the excavation of approximately 42,000 cubic yards (CY) of soil for the installation of new subsurface utilities and rail lines, which required characterization for offsite disposal evaluation. As per GF and Amtrak, the majority of the excavated soil is anticipated to be transported offsite for disposal.

2. *In Situ* Soil Characterization Scope of Work

Based on the excavation volume estimate of approximately 42,000 CY of soil provided by Amtrak in an email dated November 16, 2020, location of the proposed water line that runs through Acela 21 area, and the assumed extent of excavation and excavation depths developed (based upon review of the civil drawings provided by Amtrak), Roux has divided the assumed excavation areas within portions of OU-3 and OU-4 into 65 characterization grid cells (grid cells) with varying dimensions (WC-1 through WC-30, WC-4/WC-5 through WC-18/WC-19, WC-21/WC-22, WC-23/WC-24, WCR-1 through WCR-17, CA-1 and CA-2, and WL-1 through WL-6 (areas where the proposed water line extends outside of the main areas of excavation). Sampling locations for each boring completed within each waste characterization grid cells are shown in Figures 1 through 5. As shown, at least four soil borings were completed within each grid cell. Each soil boring was labeled alpha-numerically (i.e., A-1, B-1, C-1, D-1, etc.) within each grid cell (see Figures 1-8). Roux collected a total of 69 soil samples from within the grid cells, which is equal to a sampling frequency of approximately one sample per 600 CY or less of excavated soil. This sampling frequency meets typical waste disposal facility sampling frequency requirements in New York, New Jersey, and Pennsylvania. In addition, five existing onsite stockpiles within waste characterization grid cells were sampled as part of the soil characterization (see Figures 1 and 2 for stockpile locations). Based on Pennsylvania (PA) Landfill sampling requirements (i.e., four soil borings per grid cell) and to facilitate soil sampling activities, 210 soil borings were installed within the 65 grid cells. However, multiple concrete refusals were encountered while attempting to advance to 10 ft bls within grid cell WC-4/WC-5 and the 5-10 ft bls sample could not be collected within this grid cell. Composite/grab soil samples were collected from intervals ranging from 0-2 feet below land surface (ft bls) (CA-1 and CA-2), 0-5 ft, 0-8 ft, 5-10 ft, and/or 10-18 ft bls. Since there will be less volume of soil removed at depth (excavations greater than five ft bls or 10 ft bls in some areas for utility trench excavations), some grids cells were combined (i.e., WC-4/WC-5, WC-6/WC-7, etc.) and four soil borings from each of these combined grid cells were composited into one sample to maintain the four soil borings per grid cell PA Landfill requirement. Soil characterization details are provided in Table 1. The four soil borings that were combined to create these composite samples per combined grid cells are numerically labeled on Figures 1 through 3. Additionally, a total of five soil borings were completed within each CA-1 and CA-2 grid cells due to the long linear footage of these grid cells and shallow sample interval (0-2 ft bls). All soil samples collected from each boring within grid cells CA-1 and CA-2 were composited into one soil sample per grid cell (five-point composite samples). All samples collected for volatile organic compound (VOC) analysis were not composited as described in Section 2.1 below.

2.1 Soil Sampling Methodology

Sixty-nine (69) composite samples and 69 VOC grab samples were collected from the 210 soil borings completed during soil characterization fieldwork. Soil in the 0-5 ft bls interval in grid cells WC-18, WC-19, WC-20, WC-27, and WC-28 was collected from four locations within the existing excavations created during ongoing utility work in the area. Additional soil borings were only advanced within these grid cells where soil below 5 ft bls was sampled (WC-18, WC-19, and WC-20). In addition, five existing onsite stockpiles were sampled as part of the soil characterization and photographs are included in Appendix B. This included a 5-point composite sample collected from each stockpile as well as a grab sample collected from the location within each stockpile with the highest PID reading.

Prior to drilling activities, all proposed soil boring locations were cleared to a depth of at least five ft bls using hand tools (post hole digger, shovels, etc.) and vacuum assisted technology in an effort to identify any unknown subsurface utility or obstruction that may prevent the collection of soil samples. If a utility or

obstruction was observed during clearing activities, the location was moved within the grid cell at least five feet away from the utility/obstruction and a new location was hand cleared. Utility clearance activities were completed in accordance with Roux's and Amtrak's subsurface clearance protocols. Soil generated during utility clearing activities was incorporated in the 0-2 ft bls, 0-5 ft bls or 0-8 ft bls composite/grab soil sample intervals per soil boring.

Following utility clearing activities, composite/grab soil samples were collected at each location by utilizing a Geoprobe 7822DT drill rig at depths ranging between approximately 5 ft bls and 18 ft bls (in areas where deep utilities are proposed) for field screening and laboratory analyses. During clearing and drilling activities, soil from each soil boring was inspected for evidence of contamination including staining, separate-phase petroleum hydrocarbons, and/or odors and screened for organic vapors using a photoionization detector (PID). Soil lithology from each soil boring was recorded in accordance with the United Soil Classification System (USCS). Soil samples consisted of both grab and composite samples representative of the soil depths that are anticipated to be excavated to during construction activities. Note that the samples collected for VOC laboratory analysis (i.e., grab samples) were not composited due to the potential for loss of VOCs through volatilization. All VOC samples for laboratory analysis were collected as grab samples using Encore® samplers. The one- to two-foot interval within the entire composite sample interval from the soil boring within the grid cell that exhibited the greatest evidence of contamination (staining, odor and/or highest PID reading) was collected for VOC analysis. If no impacts were observed, the interval located in the middle of the soil borings (WC-1 through WC-30, WCR-1 through WCR-17, WL-1 through WL-6, WC-6/WC-7 through WC-18/WC-19, WC-21/WC-22, and WC-23/24) or within the middle of one of the five soil borings (CA-1 and CA-2) within each grid cell comprising each sample was selected for VOC analysis. Upon completion of each soil boring to the specified sample depth interval, one composite sample of the soil from that entire interval (i.e., 0-2, 0-5, 0-8, 5-10 and 10-18 ft bls) was submitted for laboratory analyses. Refusal was encountered at approximately 5.5 ft bls with no soil recovery for each of eight soil borings attempted throughout grid cell WC-4/WC-5, therefore, the 5 to 10 ft bls interval in this grid cell could not be collected for laboratory analysis. Soil from the 5-10 ft bls interval within grid cell WC-4/WC-5 will be sampled for waste characterization during excavation activities.

All soil samples were transported in iced coolers under chain-of-custody procedures to Eurofins Test America (Test America) of Edison, NJ, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory and were analyzed for analytical parameters required by typical disposal facilities, including Pennsylvania Landfill parameters listed below. The analytical parameters (described below) represent the combined New York, New Jersey, and Pennsylvania analyte lists:

Grab Soil Samples:

- Target Compound List (TCL) VOCs plus the 10 highest concentration Tentatively Identified Compounds (TICs) List
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs

Composite Soil Samples:

- TCL/TCLP semivolatile organic compounds (SVOCs) plus 20 TICs
- Extractable Petroleum Hydrocarbons (EPH)
- Polychlorinated Biphenyls (PCBs)
- pH

- TCLP pH, on/off
- Target Analyte List (TAL) Metals
- TCLP Metals including Resource Conservation and Recovery Act (RCRA) 8 Metals
- Hexavalent/Trivalent Chromium
- Total Cyanide
- Oil & Grease, leachable/as received
- TCL/TCLP Pesticides/Herbicides
- RCRA Characteristics (Reactivity, Ignitability, and Corrosivity)
- Chemical Oxygen Demand, Water Leachable
- Total Solids
- Total Volatile Solids
- Ammonia as N, Water Leachable
- Paint Filter Test

3. *In Situ* Soil Characterization Results

Soil lithology observed during Soil Characterization included fill material that was present in majority of the soil characterization grid cells, typically extending from the surface to approximately five ft bls and, in some locations, observed down to 12 ft bls. This fill material contained a mix of sand and gravel with varying amounts of urban fill-like material (including brick, concrete, asphalt, plastic, metal, slag, cobble, and/or wood debris). Below the fill layer, soil typically observed was light brown to brown fine to medium sand with varying amounts of silt and gravel. Lithologic soil boring logs for each completed soil boring are included as Appendix A. Photographic documentation of soil from each characterization grid cell is included as Appendix B.

Evidence of impacts (elevated PID readings, odors, staining, and/or sheen) were observed in the following grid cells: WC-20, WCR-1, WL-1, WL-2, WL-3, and WL-4. The highest PID readings in soil from these six grid cells were as follows:

- WC-20 – 199.9 ppm (Soil Boring D, 13-15 ft bls, odor and staining observed)
- WCR-1 – 32.9 ppm (Soil Boring D, 5-7 ft bls, odor observed)
- WL-1 – 350.1 ppm (Soil Boring B, 3-5 ft bls, odor and slight sheen observed)
- WL-2 – 196.2 ppm (Soil Boring A, 5-7 ft bls, odor observed)
- WL-3 – 221.1 ppm (Soil Boring B, 7-10 ft bls, odor, staining, and slight sheen observed)
- WL-4 – 281.4 ppm (Soil Boring A, 5-7 ft bls, odor observed)

There were no indication of impacts (visual, olfactory or PID readings), based on field screening activities, at any other grid cells or the existing soil stockpiles.

3.1 Laboratory Analytical Results

The *in situ* soil characterization sample results are summarized in Tables 2 through 13 and were compared to common regulatory criteria to provide a general assessment of soil quality at the Site:

- NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives (RRSCOs)
- New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Remediation Standards (RDCSRS)
- NJDEP Non-Residential Direct Contact Soil Remediation Standards (NRDCSRS)
- Pennsylvania (PA) Clean Fill Concentration Limits (PA Clean Fill)
- PA Regulated Fill Concentration Limits (PA Regulated Fill)

TCLP and RCRA Characteristic (reactivity, ignitability, and corrosivity) results were compared to the United States Environmental Protection Agency (USEPA) Regulatory Standards to evaluate if the results are characteristically hazardous. Laboratory analytical reports are included as Appendix C.

Based on the analytical results, none of the samples exhibited hazardous waste characteristics (TCLP/RCRA Characteristics) as defined by the USEPA, with the exception of samples collected from grid cells WC-21 and WCR-10 and consequently, will require special handling. TCLP lead was detected at a concentration of 15.8 milligrams per liter (mg/L) in composite soil sample WCR-10 (0-8), collected from the 0-8 ft bls interval, compared to the USEPA Regulatory Level of 5 mg/L (TCLP lead). Additionally, PCBs were detected at a concentration of 79 mg/kg in composite soil sample WC-21 (0-5) collected from the 0-5 ft bls interval compared to the Toxic Substances Control Act (TSCA) level of 50 mg/kg.

The laboratory results also indicated the following:

- VOCs were not detected in any sample at concentrations greater than regulatory standards discussed above.
- Several SVOCs were present at concentrations exceeding NYSDEC RRSCOs, NJDEP RDCSRS and NRDCSRS, and/or PA Clean Fill. These SVOCs were predominantly polycyclic aromatic hydrocarbons (PAHs) and are common historic fill contaminants. SVOCs exceeding regulatory criteria include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene.
- Metals including arsenic, total chromium, and mercury were detected in several samples at concentrations exceeding NYSDEC RRSCOs and/or NJDEP RDCSRS. Arsenic was detected at a concentration of 183 mg/kg in sample WC-20 (5-10),which exceeded NJDEP NRDCSRS, PA Clean Fill, and PA Regulated Fill for this metal. However, TCLP arsenic was not detected in this sample.
- PCBs were present in several samples throughout the Site at concentrations exceeding regulatory standards discussed above.
- Pesticides were not detected in any sample at concentrations exceeding regulatory standards discussed above.
- EPH was detected in one sample, WL-1 (0-10), exceeding NJDEP RDCSRS.

The data collected as part of this soil characterization is intended to provide Amtrak with an understanding of the environmental subsurface soil conditions that may be encountered during excavation and to provide disposal facility options during future activities at the Site. Additional characterization sampling may be required prior to offsite disposal of the material based on field observations during excavation activities and/or disposal facility requirements.

If you have any questions regarding this summary report, please do not hesitate to contact the undersigned.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Daniel Miserendino
Staff Geologist

Jeff Wills, P.G.
Senior Hydrogeologist

Robert Kovacs, P.G., LSRP
Principal Scientist

TABLES

1. Soil Characterization Details
2. Summary of Volatile Organic Compounds in Soil
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Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
P -	The RPD between the results for the two columns exceeds the method-specified criteria
RPD -	Relative Percent Difference
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
NA -	Compound was not analyzed for by laboratory
mg/kg -	Milligrams per kilogram
mm/sec -	Millimeters per second
mL/100g -	Milliliters per 100 grams
% -	Percent
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
NJDEP -	New Jersey Department of Environmental Protection
PA DEP -	Pennsylvania Department of Environmental Protection
SRS -	Soil Remediation Standards
--	No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Shaded data indicates that parameter was detected above the NJDEP Residential Soil Screening Levels	
Red data indicates that parameter was detected above the NJDEP Non-Residential Soil Screening Levels	
Underlined data indicates that parameter was detected above the PADEP Clean Fill Concentration Limits	
Italicized data indicates that parameter was detected above the PADEP Regulated Fill Concentration Limits	
TCLP Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
T -	Indicates that a quality control parameter has exceeded laboratory limits
mg/L -	Milligrams per liter
USEPA -	United States Environmental Protection Agency
TCLP -	Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection	
	Agency Limits for RCRA Characteristic Waste for Toxicity
RCRA -	Resource Conservation and Recovery Act
Bold -	Parameter was detected above USEPA Regulatory Levels

Table 1. Soil Characterization Details - Sunnyside Yard Acela 21 / Ready Tracks

Grid Cell	Number of Soil Borings	Sample Intervals (ft bls)	Total Number of Samples	Comments
WC-1	4	0-5	1	-
WC-2	4	0-5	1	-
WC-3	4	0-5	1	-
WC-4	4	0-5	1	-
WC-5	4	0-5	1	-
WC-6	4	0-5	1	-
WC-7	4	0-5	1	-
WC-8	4	0-5	1	-
WC-9	4	0-5	1	-
WC-10	4	0-5	1	-
WC-11	4	0-5	1	-
WC-12	4	0-5	1	-
WC-13	4	0-5	1	-
WC-14	4	0-5	1	-
WC-15	4	0-5	1	-
WC-16	4	0-5	1	-
WC-17	4	0-5	1	-
WC-18	2 borings, 2 locations within excavation	0-5	1	-
WC-19	2 borings, 2 locations within excavation	0-5	1	-
WC-20	4	0-5, 5-10 & 10-18	3	-
WC-21	4	0-5	1	-
WC-22	4	0-5	1	-
WC-23	4	0-5	1	-
WC-24	4	0-5	1	-

Table 1. Soil Characterization Details - Sunnyside Yard Acela 21 / Ready Tracks

Grid Cell	Number of Soil Borings	Sample Intervals (ft bls)	Total Number of Samples	Comments
WC-25	4	0-5	1	-
WC-26	4	0-5	1	-
WC-27	4 locations within excavation	0-5	1	-
WC-28	4 locations within excavation	0-5	1	-
WC-29	4	0-5	1	-
WC-30	4	0-5	1	-
WC-4/WC-5**	4 attempted	5-10	-	Refusal - no sample
WC-6/WC-7*	4	5-10	1	-
WC-8/WC-9*	4	5-10	1	-
WC-10/WC-11*	4	5-10	1	-
WC-12/WC-13*	4	5-10	1	-
WC-14/WC-15*	4	5-10	1	-
WC-16/WC-17*	4	5-10	1	-
WC-18/WC-19*	4	5-10 & 10-18	2	-
WC-21/WC-22*	4	5-10 & 10-18	2	-
WC-23/WC-24*	4	5-10 & 10-18	2	-
WCR-1	4	0-8	1	-
WCR-2	4	0-8	1	-
WCR-3	4	0-8	1	-
WCR-4	4	0-8	1	-
WCR-5	4	0-8	1	-
WCR-6	4	0-8	1	-
WCR-7	4	0-8	1	-
WCR-8	4	0-8	1	-
WCR-9	4	0-8	1	-
WCR-10	4	0-8	1	-
WCR-11	4	0-8	1	-
WCR-12	4	0-8	1	-
WCR-13	4	0-8	1	-

Table 1. Soil Characterization Details - Sunnyside Yard Acela 21 / Ready Tracks

Grid Cell	Number of Soil Borings	Sample Intervals (ft bls)	Total Number of Samples	Comments
WCR-14	4	0-8	1	-
WCR-15	4	0-8	1	-
WCR-16	4	0-8	1	-
WCR-17	4	0-8	1	-
CA-1	5	0-2	1	-
CA-2	5	0-2	1	-
WL-1	4	0-10	1	-
WL-2	4	0-10	1	-
WL-3	4	0-10	1	-
WL-4	4	0-10	1	-
WL-5	4	0-10	1	-
WL-6	4	0-10	1	-
Total Number of Soil Borings:	**210**	**Total Number of Samples:**	**69**	

ft bls - Feet below land surface.

* - Soil samples were collected from the same four soil boring locations already completed for the 0-5 foot sample interval.

** - 8 borings were attempted for grids WC-4 and WC-5. The WC-4/WC-5, 5-10 foot sample could not be collected due to refusal encountered for each boring.

Additionally, five soil samples were collected from the existing onsite soil stockpiles.

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: CA-1C Sample Date: 05/14/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: CA-2E Sample Date: 06/11/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: SP-1_WC-8_9_10_VOC Sample Date: 06/07/2021 Sample Depth (ft bls): -
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0014 U	0.0011 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0014 U	0.0011 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0074 UT	0.007 U	0.0057 U
Acetone	100	70000	--	430	1200	MG/KG	0.0089 U	0.0084 U	0.0068 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0014 U	0.0011 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0014 U	0.0011 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0014 U	0.0011 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0014 U	0.0011 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.003 U	0.0028 U	0.0023 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0014 U	0.0011 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0014 U	0.0011 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0014 U	0.0011 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0014 U	0.0011 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0015 U	0.0014 U	0.0011 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0014 U	0.0011 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0014 U	0.0011 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0011 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1C	CA-2E	SP-1_WC-8_9_10_VOC
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0014 U	0.0011 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0014 U	0.0011 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0014 U	0.0011 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0014 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0014 U	0.0011 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.00031 J	0.0014 U	0.0011 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0074 U	0.007 U	0.0057 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0074 U	0.007 UT	0.0057 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0074 UT	0.007 U	0.0057 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0011 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.003 U	0.0028 U	0.0023 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0011 U
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0014 U	0.0011 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0014 U	0.0011 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0014 U	0.0011 U
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0014 U	0.0011 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0014 U	0.0011 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0011 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0017	0.0014 U	0.0011 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0014 U	0.0011 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0014 U	0.0011 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_VOC	SP-3_WC-14_VOC
						Sample Date:	06/08/2021	06/07/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0011 U	0.0016 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0011 U	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0011 U	0.0016 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0011 U	0.0016 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0011 U	0.0016 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0011 U	0.0016 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0011 U	0.0016 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0011 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0011 U	0.0016 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0011 U	0.0016 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0011 U	0.0016 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0011 U	0.0016 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0011 U	0.0016 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0011 U	0.0016 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0056 U	0.0078 U
Acetone	100	70000	--	430	1200	MG/KG	0.0068 U	0.0094 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0011 U	0.0016 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0011 U	0.0016 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0011 U	0.0016 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0011 U	0.0016 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0023 U	0.0031 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0011 U	0.0016 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0011 U	0.0016 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0011 U	0.0016 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0011 U	0.0016 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0011 U	0.0016 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0011 U	0.0016 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0011 U	0.0016 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0016 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_VOC	SP-3_WC-14_VOC
						Sample Date:	06/08/2021	06/07/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0011 U	0.0016 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0011 U	0.0016 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0011 U	0.0016 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0011 U	0.0016 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0011 U	0.0016 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0056 U	0.0078 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0056 U	0.0078 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0056 U	0.0078 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0061	0.0031 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U
Styrene	--	90	260	24	24	MG/KG	0.0011 U	0.0016 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0011 U	0.0016 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0011 U	0.0016 U
Toluene	100	6300	91000	44	44	MG/KG	0.0011 U	0.0016 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0011 U	0.0016 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0016 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0012	0.0016 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0011 U	0.0016 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0011 U	0.0016 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-4_WC-14_VOC	SP-5_WC-17_VOC
						Sample Date:	06/08/2021	06/08/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0016 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0016 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0016 U	0.0013 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0016 U	0.0013 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0016 U	0.0013 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0016 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0016 U	0.0013 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0016 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0016 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0016 U	0.0013 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0016 U	0.0013 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0016 U	0.0013 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0016 U	0.0013 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0016 U	0.0013 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0016 U	0.0013 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0078 U	0.0066 U
Acetone	100	70000	--	430	1200	MG/KG	0.0094 U	0.0079 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0016 U	0.0013 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0016 U	0.0013 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0016 U	0.0013 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0016 U	0.0013 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0031 U	0.0026 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0016 U	0.0013 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0016 U	0.0013 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0016 U	0.0013 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0016 U	0.0013 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0016 U	0.0013 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0016 U	0.0013 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0016 U	0.0013 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0016 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: SP-4_WC-14_VOC Sample Date: 06/08/2021 Sample Depth (ft bls): -	Sample Designation: SP-5_WC-17_VOC Sample Date: 06/08/2021 Sample Depth (ft bls): -
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0016 U	0.0013 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0016 U	0.0013 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0016 U	0.0013 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0016 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0016 U	0.0013 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0016 U	0.0013 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0078 U	0.0066 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0078 U	0.0066 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0078 U	0.0066 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0016 U	0.0013 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0031 U	0.0026 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0016 U	0.0013 U
Styrene	--	90	260	24	24	MG/KG	0.0016 U	0.0013 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0016 U	0.0013 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0016 U	0.0013 U
Toluene	100	6300	91000	44	44	MG/KG	0.0016 U	0.0013 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0016 U	0.0013 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0016 U	0.0013 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0016 U	0.0013 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0016 U	0.0013 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0016 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-10A	WC-10B	WC-11A	WC-12C
						Sample Date:	05/11/2021	05/11/2021	05/12/2021	05/13/2021
						Sample Depth (ft bls):	0 - 2	7 - 9	0 - 2	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.006 U	0.0066 U	0.0083 U	0.0067 UT
Acetone	100	70000	--	430	1200	MG/KG	0.0082	0.0079 U	0.01 U	0.008 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0014
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0024 U	0.0026 U	0.0033 U	0.0027 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-10A	WC-10B	WC-11A	WC-12C
						Sample Date:	05/11/2021	05/11/2021	05/12/2021	05/13/2021
						Sample Depth (ft bls):	0 - 2	7 - 9	0 - 2	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.006 U	0.0066 U	0.0083 U	0.0067 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.006 U	0.0066 U	0.0083 U	0.0067 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.006 U	0.0066 U	0.0083 U	0.0067 UT
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0024 U	0.0026 U	0.0033 U	0.0027 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Styrene	--	90	260	24	24	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0012 U	0.00066 J	0.00057 J	0.0011 J
Toluene	100	6300	91000	44	44	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.004	0.00052 J	0.00078 J	0.0013 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0012 U	0.0013 U	0.0017 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-12D	WC-13B	WC-14A	WC-15B
						Sample Date:	05/13/2021	05/14/2021	05/14/2021	05/17/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	8 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 UT
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0068 UT	0.007 UT	0.0079 UT	0.011 U
Acetone	100	70000	--	430	1200	MG/KG	0.0081 U	0.0084 U	0.0095 U	0.013 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0027 U	0.0028 U	0.0032 U	0.0045 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-12D	WC-13B	WC-14A	WC-15B
						Sample Date:	05/13/2021	05/14/2021	05/14/2021	05/17/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	8 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.00025 J	0.0014 U	0.0016 U	0.0022 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0068 U	0.007 U	0.0079 U	0.011 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0068 UT	0.007 U	0.0079 U	0.011 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0068 UT	0.007 UT	0.0079 UT	0.011 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0027 U	0.0028 U	0.0032 U	0.0045 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Styrene	--	90	260	24	24	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Toluene	100	6300	91000	44	44	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0014 U	0.0014 U	0.0013 J	0.0022 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0014 U	0.0014 U	0.0016 U	0.0022 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-15C	WC-16A	WC-17A	WC-17D
							Sample Date: 05/17/2021	05/17/2021	05/17/2021	05/17/2021
							Sample Depth (ft bls): 0 - 2	0 - 2	0 - 2	5 - 7
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 UT	0.0013 UT	0.0013 UT	0.0012 UT
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0077 U	0.0064 U	0.0064 U	0.0059 U
Acetone	100	70000	--	430	1200	MG/KG	0.0092 U	0.0077 U	0.0077 U	0.0071 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0031 U	0.0026 U	0.0026 U	0.0024 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-15C Sample Date: 05/17/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: WC-16A Sample Date: 05/17/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: WC-17A Sample Date: 05/17/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: WC-17D Sample Date: 05/17/2021 Sample Depth (ft bls): 5 - 7
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0077 U	0.0064 U	0.0064 U	0.0059 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0077 UT	0.0064 UT	0.0064 UT	0.0059 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0077 U	0.0064 U	0.0064 U	0.0059 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0031 U	0.0026 U	0.0026 U	0.0024 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0015 U	0.0013 U	0.00051 J	0.0005 J
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0013 U	0.0013 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-18A	WC-18A	WC-19A	WC-19B
							Sample Date: 05/11/2021	05/17/2021	05/13/2021	05/17/2021
							Sample Depth (ft bls): 0 - 2	10 - 12	0 - 2	6 - 8
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.001 U	0.001 UT	0.0013 U	0.0017 UT
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0051 U	0.0051 U	0.0066 UT	0.0086 U
Acetone	100	70000	--	430	1200	MG/KG	0.0061 U	0.007	0.008 U	0.01 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.002 U	0.002 U	0.0027 U	0.0034 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Chloroform	49	0.6	2	2	2	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18A	WC-18A	WC-19A	WC-19B
						Sample Date:	05/11/2021	05/17/2021	05/13/2021	05/17/2021
						Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0051 U	0.0051 U	0.0066 U	0.0086 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0051 U	0.0051 UT	0.0066 UT	0.0086 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0051 U	0.0051 U	0.0066 UT	0.0086 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0059	0.0039	0.0027 U	0.0061
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Styrene	--	90	260	24	24	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Toluene	100	6300	91000	44	44	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.001 U	0.001 U	0.0013 U	0.0016 J
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.001 U	0.001 U	0.0013 U	0.0017 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-1A	WC-20A	WC-20C	WC-20D
							Sample Date: 05/20/2021	05/13/2021	05/18/2021	05/18/2021
							Sample Depth (ft bls): 0 - 2	0 - 2	8 - 10	13 - 15
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0075 U	0.0059 UT	0.0063 U	0.73 U
Acetone	100	70000	--	430	1200	MG/KG	0.009 U	0.007 U	0.0075 U	0.73 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.003 U	0.0023 U	0.0025 U	0.15 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-1A	WC-20A	WC-20C	WC-20D
						Sample Date:	05/20/2021	05/13/2021	05/18/2021	05/18/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	8 - 10	13 - 15
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.24
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0012 U	0.0013 U	3.5
m,p-Xylene	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0075 U	0.0059 U	0.0063 U	0.73 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0075 U	0.0059 UT	0.0063 UT	0.73 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0075 U	0.0059 UT	0.0063 U	0.73 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	3
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.003 U	0.0023 U	0.0025 U	0.15 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.069 J
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0015 U	0.0012 U	0.0012 J	0.15 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0012 U	0.0013 U	0.15 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21B	WC-21D	WC-21D
						Sample Date:	06/07/2021	06/07/2021	06/07/2021
						Sample Depth (ft bls):	1 - 3	6 - 8	15 - 17
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.00067 J	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0012 U	0.0012 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0077 U	0.0059 U	0.0061 U
Acetone	100	70000	--	430	1200	MG/KG	0.0093 U	0.0071 U	0.0073 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0012 U	0.0012 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0012 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0012 U	0.0012 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0012 U	0.0012 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0031 U	0.0024 U	0.0024 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0012 U	0.0012 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0012 U	0.0012 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0012 U	0.0012 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0012 U	0.0012 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0015 U	0.0012 U	0.0012 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

							Sample Designation:	WC-21B	WC-21D	WC-21D
							Sample Date:	06/07/2021	06/07/2021	06/07/2021
							Sample Depth (ft bls):	1 - 3	6 - 8	15 - 17
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0012 U	0.0012 U	
m,p-Xylene	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0077 U	0.0059 U	0.0061 U	
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0077 U	0.0059 U	0.0061 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0077 U	0.0059 U	0.0061 U	
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0031 U	0.0024 U	0.0024 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0012 U	0.0012 U	
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0012 U	0.0012 U	

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-22C	WC-23A	WC-23C	WC-23D
						Sample Date:	06/07/2021	06/03/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	1 - 3	6 - 8	13 - 15	1 - 3
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0075 U	0.0058 U	0.0061 U	0.0075 U
Acetone	100	70000	--	430	1200	MG/KG	0.0091 U	0.007 U	0.0073 U	0.021
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.003 U	0.0023 U	0.0024 U	0.003 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-22C Sample Date: 06/07/2021 Sample Depth (ft bls): 1 - 3	Sample Designation: WC-23A Sample Date: 06/03/2021 Sample Depth (ft bls): 6 - 8	Sample Designation: WC-23C Sample Date: 06/03/2021 Sample Depth (ft bls): 13 - 15	Sample Designation: WC-23D Sample Date: 06/03/2021 Sample Depth (ft bls): 1 - 3
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0075 U	0.0058 U	0.0061 U	0.0075 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0075 U	0.0058 U	0.0061 U	0.0075 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0075 U	0.0058 U	0.0061 U	0.0075 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.003 U	0.0023 U	0.0024 U	0.003 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0012 U	0.0012 U	0.0015 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-24B	WC-25D	WC-26C	WC-27A
							Sample Date: 06/02/2021	06/07/2021	06/04/2021	05/17/2021
							Sample Depth (ft bls): 1 - 3	1 - 3	1 - 3	0 - 2
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 UT
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0014 UT	0.0022 U	0.0013 U	0.0016 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0068 U	0.011 U	0.0063 U	0.0078 U
Acetone	100	70000	--	430	1200	MG/KG	0.0082 U	0.024	0.0075 U	0.0094 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0027 U	0.0045 U	0.0025 U	0.0031 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-24B	WC-25D	WC-26C	WC-27A
							Sample Date: 06/02/2021	06/07/2021	06/04/2021	05/17/2021
							Sample Depth (ft bls): 1 - 3	1 - 3	1 - 3	0 - 2
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0068 U	0.011 U	0.0063 U	0.0078 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0068 U	0.011 U	0.0063 U	0.0078 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0068 U	0.011 U	0.0063 U	0.0078 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0027 U	0.0045 U	0.0025 U	0.0089
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Styrene	--	90	260	24	24	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Toluene	100	6300	91000	44	44	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0014 U	0.0022 U	0.0013 U	0.0016 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-28A	WC-29C	WC-2D	WC-30B
							Sample Date: 05/18/2021	05/18/2021	05/20/2021	05/17/2021
							Sample Depth (ft bls): 0 - 2	0 - 2	3 - 5	3 - 5
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 UT
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0061 U	0.0067 U	0.0076 U	0.0065 U
Acetone	100	70000	--	430	1200	MG/KG	0.0073 U	0.008 U	0.0091 U	0.0078 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0024 U	0.0027 U	0.003 U	0.0026 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-28A	WC-29C	WC-2D	WC-30B
						Sample Date:	05/18/2021	05/18/2021	05/20/2021	05/17/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	3 - 5	3 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0012 U	0.0013 UT	0.0015 U	0.0013 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0061 U	0.0067 U	0.0076 U	0.0065 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0061 UT	0.0067 U	0.0076 U	0.0065 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0061 U	0.0067 U	0.0076 U	0.0065 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0012 U	0.0013 UT	0.0015 U	0.0013 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0024 U	0.0027 U	0.003 U	0.0026 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Styrene	--	90	260	24	24	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Toluene	100	6300	91000	44	44	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.00062 J
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0012 U	0.0013 U	0.0015 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-3A	WC-4A	WC-5A	WC-6A
						Sample Date:	05/03/2021	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 2	1 - 3	3 - 5	3 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0081 U	0.006 U	0.0065 U	0.0071 U
Acetone	100	70000	--	430	1200	MG/KG	0.0097 U	0.0082	0.0078 U	0.0085 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0032 UT	0.0024 UT	0.0026 U	0.0028 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0016 U	0.00044 J	0.0011 J	0.0014 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-3A Sample Date: 05/03/2021 Sample Depth (ft bls): 0 - 2	Sample Designation: WC-4A Sample Date: 05/04/2021 Sample Depth (ft bls): 1 - 3	Sample Designation: WC-5A Sample Date: 05/05/2021 Sample Depth (ft bls): 3 - 5	Sample Designation: WC-6A Sample Date: 05/05/2021 Sample Depth (ft bls): 3 - 5
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0081 U	0.006 U	0.0065 U	0.0071 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0081 U	0.006 U	0.0065 UT	0.0071 UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0081 U	0.006 U	0.0065 U	0.0071 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0032 U	0.0024 U	0.0026 U	0.0028 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Styrene	--	90	260	24	24	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Toluene	100	6300	91000	44	44	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0016 U	0.0012 U	0.0013 U	0.0014 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6C	WC-7D	WC-8A	WC-8A
						Sample Date:	05/05/2021	05/06/2021	05/06/2021	05/06/2021
						Sample Depth (ft bls):	5 - 7	1 - 3	1 - 3	7 - 9
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.002	0.0012 U	0.0014 U	0.0017 J
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0088 U	0.0062 UT	0.0068 U	0.01 U
Acetone	100	70000	--	430	1200	MG/KG	0.051	0.0071 J	0.0081 U	0.051
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0035 U	0.0025 UT	0.0027 UT	0.0041 UT
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0069	0.00065 J	0.0014 U	0.0015 J
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-6C Sample Date: 05/05/2021 Sample Depth (ft bls): 5 - 7	Sample Designation: WC-7D Sample Date: 05/06/2021 Sample Depth (ft bls): 1 - 3	Sample Designation: WC-8A Sample Date: 05/06/2021 Sample Depth (ft bls): 1 - 3	Sample Designation: WC-8A Sample Date: 05/06/2021 Sample Depth (ft bls): 7 - 9
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0054	0.0012 U	0.0014 U	0.0026
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0046	0.0012 U	0.0014 U	0.015
m,p-Xylene	--	--	--	--	--	MG/KG	0.002 B	0.0012 U	0.0014 U	0.0022
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0088 U	0.0062 U	0.0068 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.01 T	0.0062 U	0.0068 U	0.0093 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0088 U	0.0062 UT	0.0068 U	0.01 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0035 U	0.0025 U	0.0027 U	0.0041 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0014 J	0.0012 U	0.0014 U	0.0021
Styrene	--	90	260	24	24	MG/KG	0.0013 BJ	0.0012 U	0.0014 U	0.001 J
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.00061 J	0.0012 U	0.0014 U	0.0033
Toluene	100	6300	91000	44	44	MG/KG	0.00087 J	0.0012 U	0.0014 U	0.0021
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0006 J	0.0012 U	0.0014 U	0.002 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0018 U	0.0012 U	0.0014 U	0.002 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-9B Sample Date: 05/10/2021 Sample Depth (ft bls): 7 - 9	Sample Designation: WC-9C Sample Date: 05/07/2021 Sample Depth (ft bls): 3 - 5	Sample Designation: WCR-10D Sample Date: 05/28/2021 Sample Depth (ft bls): 6 - 8	Sample Designation: WCR-11A Sample Date: 05/28/2021 Sample Depth (ft bls): 5 - 7
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0011 U	0.0021 UT	0.0011 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0055 U	0.01 U	0.0054 U	0.0057 U
Acetone	100	70000	--	430	1200	MG/KG	0.015	0.014	0.0065 U	0.0068 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0011 U	0.001 J	0.0011 U	0.0011 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0022 U	0.0042 U	0.0022 UT	0.0023 UT
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0021	0.00085 J	0.0011 U	0.0011 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-9B	WC-9C	WCR-10D	WCR-11A
						Sample Date:	05/10/2021	05/07/2021	05/28/2021	05/28/2021
						Sample Depth (ft bls):	7 - 9	3 - 5	6 - 8	5 - 7
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.00036 J	0.00064 BJ	0.0011 U	0.0002 J
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0055 U	0.01 U	0.0054 U	0.0057 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0055 U	0.01 U	0.0054 U	0.0057 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0055 U	0.01 U	0.0054 U	0.0057 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0022 U	0.0055 B	0.0022 U	0.0023 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0011 U	0.00051 J	0.0011 U	0.0011 U
Styrene	--	90	260	24	24	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.00052 J	0.0021 U	0.0011 U	0.0011 U
Toluene	100	6300	91000	44	44	MG/KG	0.00031 J	0.0013 BJ	0.0011 U	0.00039 J
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0011 U	0.0021 U	0.0011 U	0.0011 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-12A	WCR-13C	WCR-14C	WCR-15B
						Sample Date:	05/28/2021	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	5 - 7	6 - 8	1 - 3	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 UT
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0059 U	0.0058 U	0.0062 U	0.0063 U
Acetone	100	70000	--	430	1200	MG/KG	0.0071 U	0.0069 U	0.0075 U	0.0076 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0024 UT	0.0023 U	0.0025 U	0.0025 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-12A	WCR-13C	WCR-14C	WCR-15B
						Sample Date:	05/28/2021	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	5 - 7	6 - 8	1 - 3	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0059 U	0.0058 U	0.0062 U	0.0063 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0059 U	0.0058 U	0.0062 U	0.0063 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0059 U	0.0058 U	0.0062 U	0.0063 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0024 U	0.0023 U	0.0025 U	0.0025 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Styrene	--	90	260	24	24	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Toluene	100	6300	91000	44	44	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0012 U	0.0012 U	0.00098 J	0.0013 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-16B Sample Date: 06/04/2021 Sample Depth (ft bls): 3 - 5	Sample Designation: WCR-17B Sample Date: 06/03/2021 Sample Depth (ft bls): 1 - 3	Sample Designation: WCR-1C Sample Date: 05/21/2021 Sample Depth (ft bls): 3 - 5	Sample Designation: WCR-2D Sample Date: 05/21/2021 Sample Depth (ft bls): 1 - 3
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0074 U	0.0056 U	0.0073 U	0.0065 U
Acetone	100	70000	--	430	1200	MG/KG	0.0089 U	0.0067 U	0.0087 U	0.0078 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.003 U	0.0022 U	0.0029 U	0.0026 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0015 U	0.0011 U	0.00058 J	0.0013 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0014 J	0.0011 U	0.0022	0.0013 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16B	WCR-17B	WCR-1C	WCR-2D
						Sample Date:	06/04/2021	06/03/2021	05/21/2021	05/21/2021
						Sample Depth (ft bls):	3 - 5	1 - 3	3 - 5	1 - 3
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0074 U	0.0056 U	0.0073 U	0.0065 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0074 U	0.0056 U	0.0073 U	0.0065 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0074 U	0.0056 U	0.0073 U	0.0065 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.003 U	0.0022 U	0.0029 U	0.0026 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Styrene	--	90	260	24	24	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Toluene	100	6300	91000	44	44	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.00031 J
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0015 U	0.0011 U	0.0015 U	0.0013 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-3C	WCR-4D	WCR-5C	WCR-6B
						Sample Date:	05/24/2021	05/24/2021	05/26/2021	05/24/2021
						Sample Depth (ft bls):	5 - 7	5 - 7	5 - 7	5 - 7
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0056 U	0.0081 U	0.0054 U	0.006 U
Acetone	100	70000	--	430	1200	MG/KG	0.0069	0.0097 U	0.0064 U	0.0072 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0022 U	0.0032 U	0.0021 U	0.0024 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-3C	WCR-4D	WCR-5C	WCR-6B
						Sample Date:	05/24/2021	05/24/2021	05/26/2021	05/24/2021
						Sample Depth (ft bls):	5 - 7	5 - 7	5 - 7	5 - 7
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0056 U	0.0081 U	0.0054 U	0.006 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0056 U	0.0081 U	0.0054 U	0.006 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0056 U	0.0081 U	0.0054 U	0.006 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0022 U	0.0032 U	0.0021 U	0.0024 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Styrene	--	90	260	24	24	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Toluene	100	6300	91000	44	44	MG/KG	0.0011 U	0.0016 U	0.00027 J	0.0012 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-7B Sample Date: 05/26/2021 Sample Depth (ft bls): 6 - 8	Sample Designation: WCR-8C Sample Date: 05/27/2021 Sample Depth (ft bls): 5 - 7	Sample Designation: WCR-9D Sample Date: 05/27/2021 Sample Depth (ft bls): 5 - 7	Sample Designation: WL-1A Sample Date: 06/08/2021 Sample Depth (ft bls): 7 - 9
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0008 J
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0051 U	0.0057 U	0.0067 U	0.0075 U
Acetone	100	70000	--	430	1200	MG/KG	0.0062 U	0.0069 U	0.011	0.018
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0021 U	0.0023 U	0.0027 U	0.003 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Chloroform	49	0.6	2	2	2	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-7B	WCR-8C	WCR-9D	WL-1A
						Sample Date:	05/26/2021	05/27/2021	05/27/2021	06/08/2021
						Sample Depth (ft bls):	6 - 8	5 - 7	5 - 7	7 - 9
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0051 U	0.0057 U	0.0067 U	0.0075 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0051 U	0.0057 U	0.0067 U	0.0075 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0051 U	0.0057 U	0.0067 U	0.0075 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0021 U	0.0023 U	0.0033	0.003 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Styrene	--	90	260	24	24	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.001 U	0.0011 U	0.0017	0.0015 U
Toluene	100	6300	91000	44	44	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.001 U	0.0011 U	0.0013 U	0.0015 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-2A	WL-3A	WL-4A	WL-5C
						Sample Date:	06/08/2021	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	5 - 7	4 - 6	5 - 7	5 - 7
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0072 U	0.0047 U	0.62 U	0.0058 U
Acetone	100	70000	--	430	1200	MG/KG	0.028	0.04	0.62 U	0.007 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0029 U	0.0019 U	0.12 U	0.0023 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0017	0.0017	0.12 U	0.0012 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-2A	WL-3A	WL-4A	WL-5C
						Sample Date:	06/08/2021	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	5 - 7	4 - 6	5 - 7	5 - 7
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0075	0.0011	0.15	0.0012 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0014 U	0.0015	0.088 J	0.0012 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.03	0.023	1.6	0.0012 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0014 U	0.0039	1.9	0.0012 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0072 U	0.0047 U	0.62 U	0.0058 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0072 U	0.0077	0.62 U	0.0058 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0072 U	0.0047 U	0.62 U	0.0058 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.13	0.026	3.7	0.0012 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.003	0.0016 J	0.12 U	0.0023 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0014 U	0.0055	0.11 J	0.0012 U
Styrene	--	90	260	24	24	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Toluene	100	6300	91000	44	44	MG/KG	0.0014 U	0.00032 J	0.12 U	0.0012 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0014 U	0.00095 U	0.12 U	0.0012 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-6C
						Sample Date:	06/10/2021
						Sample Depth (ft bls):	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	
1,1,1-Trichloroethane (TCA)	100	160000	--	7.2	7.2	MG/KG	0.0014 U
1,1,2,2-Tetrachloroethane	--	1	3	0.026	0.13	MG/KG	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	10000	10000	MG/KG	0.0014 U
1,1,2-Trichloroethane	--	2	6	0.15	0.15	MG/KG	0.0014 U
1,1-Dichloroethane	26	8	24	0.75	3.9	MG/KG	0.0014 U
1,1-Dichloroethene	100	11	150	0.19	0.19	MG/KG	0.0014 U
1,2,3-Trichlorobenzene	--	--	--	--	--	MG/KG	0.0014 U
1,2,4-Trichlorobenzene	--	73	820	27	27	MG/KG	0.0014 U
1,2-Dibromo-3-Chloropropane	--	0.08	0.2	0.0092	0.0092	MG/KG	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	--	0.008	0.04	0.0012	0.0012	MG/KG	0.0014 U
1,2-Dichlorobenzene	100	5300	59000	59	59	MG/KG	0.0014 U
1,2-Dichloroethane	3.1	0.9	3	0.1	0.1	MG/KG	0.0014 U
1,2-Dichloropropane	--	2	5	0.11	0.11	MG/KG	0.0014 U
1,3-Dichlorobenzene	49	5300	59000	61	61	MG/KG	0.0014 U
1,4-Dichlorobenzene	13	5	13	10	10	MG/KG	0.0014 U
2-Hexanone	--	--	--	1.6	6.4	MG/KG	0.0069 U
Acetone	100	70000	--	430	1200	MG/KG	0.0082 U
Benzene	4.8	2	5	0.13	0.13	MG/KG	0.0014 U
Bromochloromethane	--	--	--	1.6	1.6	MG/KG	0.0014 U
Bromodichloromethane	--	1	3	2.7	2.7	MG/KG	0.0014 U
Bromoform	--	81	280	3.5	3.5	MG/KG	0.0014 U
Bromomethane	--	25	59	0.54	0.54	MG/KG	0.0027 U
Carbon Disulfide	--	7800	110000	130	530	MG/KG	0.0014 U
Carbon Tetrachloride	2.4	2	4	0.26	0.26	MG/KG	0.0014 U
Chlorobenzene	100	510	7400	6.1	6.1	MG/KG	0.0014 U
Chloroethane	--	220	1100	5.4	26	MG/KG	0.0014 U
Chloroform	49	0.6	2	2	2	MG/KG	0.0014 U
Chloromethane	--	4	12	0.38	0.38	MG/KG	0.0014 U
Cis-1,2-Dichloroethylene	100	230	560	1.6	1.6	MG/KG	0.0014 U
Cis-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U

Table 2. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-6C
						Sample Date:	06/10/2021
						Sample Depth (ft bls):	6 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	
Cyclohexane	--	--	--	1700	6900	MG/KG	0.0014 U
Dibromochloromethane	--	3	8	2.5	2.5	MG/KG	0.0014 U
Dichlorodifluoromethane	--	490	230000	100	100	MG/KG	0.0014 U
Ethylbenzene	41	7800	110000	46	46	MG/KG	0.0014 U
Isopropylbenzene (Cumene)	--	--	--	600	2500	MG/KG	0.0014 U
m,p-Xylene	--	--	--	--	--	MG/KG	0.0014 U
Methyl Acetate	--	78000	--	780	2200	MG/KG	0.0069 U
Methyl Ethyl Ketone (2-Butanone)	100	3100	44000	76	76	MG/KG	0.0069 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	51	140	MG/KG	0.0069 U
Methylcyclohexane	--	--	--	--	--	MG/KG	0.0014 U
Methylene Chloride	100	46	230	0.076	0.076	MG/KG	0.0027 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	--	--	MG/KG	0.0014 U
Styrene	--	90	260	24	24	MG/KG	0.0014 U
Tert-Butyl Methyl Ether	100	110	320	0.28	0.28	MG/KG	0.0014 U
Tetrachloroethylene (PCE)	19	43	1500	0.43	0.43	MG/KG	0.0014 U
Toluene	100	6300	91000	44	44	MG/KG	0.0014 U
Trans-1,2-Dichloroethene	100	300	720	2.3	2.3	MG/KG	0.0014 U
Trans-1,3-Dichloropropene	--	2	--	--	--	MG/KG	0.0014 U
Trichloroethylene (TCE)	21	3	10	0.17	0.17	MG/KG	0.0014 U
Trichlorofluoromethane	--	23000	340000	87	87	MG/KG	0.0014 U
Vinyl Chloride	0.9	0.7	2	0.027	0.027	MG/KG	0.0014 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.36 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.036 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.36 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.36 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.36 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.29 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.071 U	0.073 U	0.076 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.071 U	0.073 U	0.076 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.36 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.36 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.033 J	0.054 J	0.082 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.36 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.36 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.36 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.29 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.36 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.36 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.36 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.36 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.71 U	0.73 U	0.76 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.021 J	0.36 U	0.054 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.022 J	0.036 J	0.72
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.36 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.05 J	0.036 J	0.71
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.36 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: CA-1	CA-2	SP-1_WC-8_9_10
							Sample Date: 05/14/2021	06/11/2021	06/07/2021
							Sample Depth (ft bls): 0 - 2	0 - 2	-
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.16	0.13	**2.4**
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.18	0.18	**2.3**
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.27	0.34	**3.9**
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.12 J	0.16 J	0.86
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.095	0.11	1.7
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.36 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.36 U	0.021 J
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.36 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.036 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.36 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.035 J	0.023 J	0.076 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.36 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.022 J	0.015 J	0.12 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.19 J	0.17 J	2.3
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.031 J	0.046	0.31
Dibenzofuran	59	--	--	110	310	MG/KG	0.026 J	0.017 J	0.072 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.36 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.041 J	0.36 U	0.033 J
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.36 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.28 J	0.16 J	2.8
Fluorene	100	2300	24000	3400	3800	MG/KG	0.023 J	0.0051 J	0.069 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.036 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.071 U	0.073 U	0.076 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.36 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.036 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.12	0.19	**1.1**
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.039 J	0.043 J	0.13 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.036 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.036 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.36 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.29 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.2 J	0.063 J	0.58
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.36 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.28 J	0.17 J	2.6

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_12_13	SP-3_WC-14
						Sample Date:	06/08/2021	06/07/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.38 U	0.4 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.038 U	0.04 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.38 U	0.4 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.38 U	0.4 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.16 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.16 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.38 U	0.4 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.3 U	0.32 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.076 U	0.081 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.076 U	0.081 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.38 U	0.4 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.38 U	0.4 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.082 J	0.4 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.38 U	0.4 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.38 U	0.4 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.38 U	0.4 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.16 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.38 U	0.4 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.3 U	0.32 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.4 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.38 U	0.4 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.38 U	0.4 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.4 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.38 U	0.4 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.38 U	0.4 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.76 U	0.81 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.029 J	0.4 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.037 J	0.4 U
Acetophenone	--	2	5	230	640	MG/KG	0.38 U	0.4 U
Anthracene	100	17000	30000	350	350	MG/KG	0.09 J	0.4 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.16 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.38 U	0.4 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: SP-2_WC-11_12_13 Sample Date: 06/08/2021 Sample Depth (ft bls): -	Sample Designation: SP-3_WC-14 Sample Date: 06/07/2021 Sample Depth (ft bls): -
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.39	0.04 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.41	0.04 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.67	0.04 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.29 J	0.4 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.33	0.04 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.38 U	0.4 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.017 J	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.38 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.038 U	0.04 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.38 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.38 U	0.4 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.38 U	0.4 U
Carbazole	--	24	96	24	110	MG/KG	0.047 J	0.4 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.42	0.4 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.086	0.04 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.058 J	0.4 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.38 U	0.4 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.38 U	0.4 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.019 J	0.4 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.38 U	0.4 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.64	0.4 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.029 J	0.4 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.038 U	0.04 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.076 U	0.081 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.38 U	0.4 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.038 U	0.04 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.31	0.04 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.16 U
Naphthalene	100	6	17	25	25	MG/KG	0.086 J	0.4 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.038 U	0.04 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.038 U	0.04 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.38 U	0.4 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_12_13	SP-3_WC-14
						Sample Date:	06/08/2021	06/07/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.3 U	0.32 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.4	0.4 U
Phenol	100	18000	210000	33	33	MG/KG	0.38 U	0.4 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.63	0.4 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-4_WC-14_15	SP-5_WC-16-17
						Sample Date:	06/08/2021	06/08/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.074 U	0.07 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.074 U	0.07 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.098 J	0.08 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.74 U	0.7 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.019 J	0.017 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.017 J	0.05 J
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.16 J	0.059 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: SP-4_WC-14_15 Sample Date: 06/08/2021 Sample Depth (ft bls): -	Sample Designation: SP-5_WC-16-17 Sample Date: 06/08/2021 Sample Depth (ft bls): -
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.84	0.27
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.91	0.35
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	**1.1**	0.49
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.62	0.26 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.49	0.18
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.022 J	0.022 J
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.025 J	0.079 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.35 U
Carbazole	--	24	96	24	110	MG/KG	0.037 J	0.35 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.76	0.3 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.19	0.077
Dibenzofuran	59	--	--	110	310	MG/KG	0.031 J	0.037 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	1.5	0.39
Fluorene	100	2300	24000	3400	3800	MG/KG	0.02 J	0.027 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.074 U	0.07 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	**0.66**	0.28
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.059 J	0.07 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-4_WC-14_15	SP-5_WC-16-17
						Sample Date:	06/08/2021	06/08/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.39	0.18 J
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	1.5	0.43

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-1	WC-10	WC-10_WC-11
						Sample Date:	05/20/2021	05/11/2021	05/12/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.36 U	0.39 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.036 U	0.039 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.36 U	0.39 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.36 U	0.39 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.16 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.16 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.36 U	0.39 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.29 U	0.31 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.071 U	0.074 U	0.079 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.071 U	0.074 U	0.079 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.36 U	0.39 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.36 U	0.39 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.021 J	0.047 J	0.076 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.36 U	0.39 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.36 U	0.39 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.36 U	0.39 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.16 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.39 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.29 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.39 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.36 U	0.39 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.36 U	0.39 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.39 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.36 U	0.39 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.36 U	0.39 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.71 U	0.74 U	0.79 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.018 J	0.1 J	0.038 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.025 J	0.053 J	0.017 J
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.36 U	0.39 U
Anthracene	100	17000	30000	350	350	MG/KG	0.069 J	0.3 J	0.093 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.16 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.36 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-1	WC-10	WC-10_WC-11
							Sample Date: 05/20/2021	05/11/2021	05/12/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.42	0.63	0.34
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.44	0.52	0.32
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.65	0.77	0.45
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.27 J	0.27 J	0.44
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.25	0.38	0.2
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.36 U	0.39 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.36 U	0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.36 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.036 U	0.039 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.36 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.062 J	0.059 J	0.22 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.36 U	0.39 U
Carbazole	--	24	96	24	110	MG/KG	0.026 J	0.079 J	0.037 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.43	0.66	0.37 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.083	0.05	0.18
Dibenzofuran	59	--	--	110	310	MG/KG	0.014 J	0.068 J	0.028 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.36 U	0.39 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.39 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.35 U	0.36 U	0.038 J
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.36 U	0.39 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.6	1.6	0.78
Fluorene	100	2300	24000	3400	3800	MG/KG	0.014 J	0.14 J	0.03 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.036 U	0.039 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.071 U	0.074 U	0.079 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.36 U	0.39 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.036 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.4	0.27	0.44
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.16 U
Naphthalene	100	6	17	25	25	MG/KG	0.014 J	0.04 J	0.21 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.036 U	0.039 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.036 U	0.039 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.36 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-1	WC-10	WC-10_WC-11
						Sample Date:	05/20/2021	05/11/2021	05/12/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.29 U	0.31 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.3 J	1.2	0.33 J
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.36 U	0.39 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.57	1.4	0.72

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-11	WC-12	WC-12_WC-13
						Sample Date:	05/12/2021	05/13/2021	05/13/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.37 U	0.36 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.037 U	0.036 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.37 U	0.36 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.37 U	0.36 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.37 U	0.36 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.3 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.075 U	0.073 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.075 U	0.073 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.37 U	0.36 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.37 U	0.36 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.025 J	0.032 J	0.022 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.37 U	0.36 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.37 U	0.36 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.37 U	0.36 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.36 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.3 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.36 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.37 U	0.36 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.37 U	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.36 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.37 U	0.36 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.37 U	0.36 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.75 U	0.73 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.025 J	0.019 J	0.03 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.033 J	0.017 J	0.016 J
Acetophenone	--	2	5	230	640	MG/KG	0.029 J	0.37 U	0.36 U
Anthracene	100	17000	30000	350	350	MG/KG	0.078 J	0.051 J	0.073 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.37 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-11	WC-12	WC-12_WC-13
							Sample Date: 05/12/2021	05/13/2021	05/13/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.28	0.18	0.2
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.39	0.18	0.19
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.55	0.28	0.24
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.98	0.13 J	0.11 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.24	0.12	0.098
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.024 J	0.36 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.37 U	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.37 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.037 U	0.036 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.37 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.083 J	0.052 J	0.26 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.37 U	0.36 U
Carbazole	--	24	96	24	110	MG/KG	0.028 J	0.024 J	0.026 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.34 J	0.21 J	0.23 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	**0.88**	0.031 J	0.04
Dibenzofuran	59	--	--	110	310	MG/KG	0.032 J	0.022 J	0.024 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.37 U	0.36 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.36 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.055 J	0.019 J	0.36 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.37 U	0.36 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.52	0.35 J	0.46
Fluorene	100	2300	24000	3400	3800	MG/KG	0.021 J	0.014 J	0.031 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.037 U	0.036 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.075 U	0.073 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.37 U	0.36 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.037 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	**0.82**	0.16	0.12
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.035 J	0.043 J	0.029 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.037 U	0.036 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.037 U	0.036 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.37 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-11	WC-12	WC-12_WC-13
						Sample Date:	05/12/2021	05/13/2021	05/13/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.3 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.24 J	0.19 J	0.31 J
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.37 U	0.014 J
Pyrene	100	1700	18000	2200	2200	MG/KG	0.5	0.33 J	0.42

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-13	WC-14	WC-14_WC-15
						Sample Date:	05/14/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.37 U	0.37 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.037 U	0.037 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.37 U	0.37 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.37 U	0.37 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.15 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.15 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.37 U	0.37 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.3 U	0.3 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.075 U	0.075 U	0.071 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.075 U	0.075 U	0.071 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.37 U	0.37 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.37 U	0.37 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.036 J	0.018 J	0.35 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.37 U	0.37 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.37 U	0.37 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.37 U	0.37 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.15 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.37 U	0.37 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.3 U	0.3 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.37 U	0.37 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.37 U	0.37 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.37 U	0.37 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.37 U	0.37 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.37 U	0.37 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.37 U	0.37 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.75 U	0.75 U	0.71 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.019 J	0.37 U	0.35 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.041 J	0.025 J	0.35 U
Acetophenone	--	2	5	230	640	MG/KG	0.37 U	0.37 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.077 J	0.038 J	0.35 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.15 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.37 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-13	WC-14	WC-14_WC-15
							Sample Date: 05/14/2021	05/15/2021	05/15/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.35	0.13	0.035 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.35	0.16	0.035 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.5	0.25	0.015 J
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.18 J	0.087 J	0.35 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.17	0.094	0.035 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.37 U	0.37 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.37 U	0.37 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.37 U	0.37 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.037 U	0.037 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.37 U	0.37 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.071 J	0.036 J	0.12 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.37 U	0.37 UT	0.35 UT
Carbazole	--	24	96	24	110	MG/KG	0.023 J	0.016 J	0.35 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.33 J	0.14 J	0.35 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.045	0.021 J	0.035 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.029 J	0.0083 J	0.35 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.37 U	0.37 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.37 U	0.37 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.37 U	0.37 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.37 U	0.37 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.53	0.18 J	0.35 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.031 J	0.0078 J	0.35 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.037 U	0.037 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.075 U	0.075 U	0.071 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.37 U	0.37 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.037 U	0.037 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.19	0.096	0.035 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.15 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.043 J	0.018 J	0.35 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.037 U	0.037 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.037 U	0.037 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.37 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-13	WC-14	WC-14_WC-15
						Sample Date:	05/14/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.3 U	0.3 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.29 J	0.073 J	0.35 U
Phenol	100	18000	210000	33	33	MG/KG	0.37 U	0.37 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.51	0.2 J	0.013 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-15	WC-16	WC-16_WC-17
						Sample Date:	05/15/2021	05/15/2021	05/16/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.37 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.037 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.37 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.37 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.37 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.29 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.074 U	0.072 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.074 U	0.072 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.37 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.37 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.36 U	0.037 J	0.023 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.37 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.37 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.37 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.29 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.37 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.37 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.37 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.37 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.74 U	0.72 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36 U	0.028 J	0.017 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.36 U	0.028 J	0.015 J
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.37 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.033 J	0.085 J	0.052 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-15	WC-16	WC-16_WC-17
						Sample Date:	05/15/2021	05/15/2021	05/16/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.12	0.31	0.22
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.13	0.31	0.21
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.16	0.49	0.29
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.068 J	0.15 J	0.14 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.062	0.18	0.1
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.37 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.37 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.37 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.037 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.37 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.034 J	0.025 J	0.11 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 UT	0.37 UT	0.35 UT
Carbazole	--	24	96	24	110	MG/KG	0.36 U	0.042 J	0.023 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.11 J	0.31 J	0.21 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.018 J	0.047	0.032 J
Dibenzofuran	59	--	--	110	310	MG/KG	0.36 U	0.021 J	0.019 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.37 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.37 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.37 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.22 J	0.57	0.35
Fluorene	100	2300	24000	3400	3800	MG/KG	0.36 U	0.031 J	0.016 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.037 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.074 U	0.072 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.37 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.037 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.071	0.18	0.15
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.36 U	0.07 J	0.028 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.037 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.037 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-15	WC-16	WC-16_WC-17
						Sample Date:	05/15/2021	05/15/2021	05/16/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.29 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.12 J	0.31 J	0.21 J
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.37 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.19 J	0.47	0.35

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-17	WC-18	WC-18_WC-19
							Sample Date: 05/16/2021	05/11/2021	05/17/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.37 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.037 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.37 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.37 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.37 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.3 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.071 U	0.075 U	0.072 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.071 U	0.075 U	0.072 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.37 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.37 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.016 J	0.036 J	0.029 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.37 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.37 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.37 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.3 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.37 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.37 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.37 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.37 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.71 U	0.75 U	0.72 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.35 U	0.034 J	0.023 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.018 J	0.051 J	0.03 J
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.37 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.034 J	0.11 J	0.095 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-17	WC-18	WC-18_WC-19
							Sample Date: 05/16/2021	05/11/2021	05/17/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.16	0.34	0.3
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.16	0.42	0.33
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.26	0.62	0.48
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.12 J	0.2 J	0.15 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.084	0.25	0.16
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.37 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.37 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.37 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.037 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.37 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.066 J	0.031 J	0.11 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 UT	0.37 U	0.35 UT
Carbazole	--	24	96	24	110	MG/KG	0.018 J	0.051 J	0.026 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.16 J	0.36 J	0.31 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.036	0.054	0.043
Dibenzofuran	59	--	--	110	310	MG/KG	0.011 J	0.046 J	0.026 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.37 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.35 U	0.37 U	0.013 J
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.37 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.23 J	0.59	0.56
Fluorene	100	2300	24000	3400	3800	MG/KG	0.0098 J	0.043 J	0.029 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.037 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.071 U	0.075 U	0.072 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.37 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.037 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.13	0.23	0.17
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.018 J	0.053 J	0.036 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.037 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.037 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.37 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-17	WC-18	WC-18_WC-19
						Sample Date:	05/16/2021	05/11/2021	05/17/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.3 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.12 J	0.37	0.3 J
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.37 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.25 J	0.54	0.49

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-19	WC-2
						Sample Date:	05/17/2021	05/13/2021	05/20/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.38 U	0.35 U	0.39 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.038 U	0.035 U	0.039 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.38 U	0.35 U	0.39 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.38 U	0.35 U	0.39 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.14 U	0.16 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.14 U	0.16 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.38 U	0.35 U	0.39 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.31 U	0.28 U	0.31 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.077 U	0.071 U	0.079 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.077 U	0.071 U	0.079 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.38 U	0.35 U	0.39 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.38 U	0.35 U	0.39 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.24 J	0.1 J	0.39 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.38 U	0.35 U	0.39 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.38 U	0.35 U	0.39 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.38 U	0.35 U	0.39 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.14 U	0.16 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.38 U	0.35 U	0.39 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.31 U	0.28 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.35 U	0.39 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.38 U	0.35 U	0.39 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.38 U	0.35 U	0.39 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.35 U	0.39 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.38 U	0.35 U	0.39 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.38 U	0.35 U	0.39 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.77 U	0.71 U	0.79 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.57	0.028 J	0.39 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.027 J	0.037 J	0.39 U
Acetophenone	--	2	5	230	640	MG/KG	0.38 U	0.35 U	0.39 U
Anthracene	100	17000	30000	350	350	MG/KG	2.3	0.088 J	0.39 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.14 U	0.16 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.38 U	0.35 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-18_WC-19 Sample Date: 05/17/2021 Sample Depth (ft bls): 10 - 18	WC-19 05/13/2021 0 - 5	WC-2 05/20/2021 0 - 5
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	**3.9**	0.3	0.09
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	**3.1**	0.3	0.098
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	**3.7**	0.45	0.15
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	1.6	0.19 J	0.057 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	1.7	0.18	0.058
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.38 U	0.35 U	0.39 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.1 J	0.35 U	0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.38 U	0.35 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.038 U	0.035 U	0.039 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.38 U	0.35 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.38 U	0.042 J	0.033 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.38 UT	0.35 U	0.39 U
Carbazole	--	24	96	24	110	MG/KG	0.95	0.034 J	0.39 U
Chrysene	3.9	450	1700	35	230	MG/KG	3.7	0.32 J	0.093 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	**0.5**	0.034 J	0.039 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.88	0.044 J	0.39 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.38 U	0.35 U	0.39 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.38 U	0.35 U	0.39 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.38 U	0.014 J	0.39 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.38 U	0.35 U	0.39 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	8.9	0.56	0.14 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.42	0.042 J	0.39 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.038 U	0.035 U	0.039 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.077 U	0.071 U	0.079 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.38 U	0.35 U	0.39 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.038 U	0.035 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	**1.7**	0.24	0.079
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.14 U	0.16 U
Naphthalene	100	6	17	25	25	MG/KG	0.43	0.073 J	0.39 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.038 U	0.035 U	0.039 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.038 U	0.035 U	0.039 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.38 U	0.35 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-19	WC-2
						Sample Date:	05/17/2021	05/13/2021	05/20/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.31 U	0.28 U	0.31 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	12	0.29 J	0.062 J
Phenol	100	18000	210000	33	33	MG/KG	0.38 U	0.35 U	0.39 U
Pyrene	100	1700	18000	2200	2200	MG/KG	8	0.51	0.13 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-20
						Sample Date:	05/13/2021	05/20/2021	05/20/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.38 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.038 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.38 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.38 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.38 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.3 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.076 U	0.075 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.076 U	0.075 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.38 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.38 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.05 J	0.44	3.8
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.38 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.38 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.38 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.38 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.3 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.38 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.38 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.38 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.38 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.38 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.38 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.76 U	0.75 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.038 J	0.69	1.1
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.035 J	0.057 J	0.37 U
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.38 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.11 J	0.81	0.47
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.38 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-20	WC-20	WC-20
							Sample Date: 05/13/2021	05/20/2021	05/20/2021
							Sample Depth (ft bls): 0 - 5	5 - 10	10 - 18
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.35	**1.8**	0.18
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.37	**1.6**	0.12
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.55	**1.9**	0.14
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.22 J	0.82	0.063 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.2	0.71	0.057
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.38 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.081 J	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.38 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.038 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.38 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.054 J	0.12 J	0.22 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.38 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.051 J	0.35 J	0.37 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.37	1.7	0.22 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.049	0.24	0.037 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.044 J	0.34 J	0.99
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.38 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.38 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.38 U	0.37 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.38 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.64	3.7	0.43
Fluorene	100	2300	24000	3400	3800	MG/KG	0.039 J	0.65	2.4
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.038 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.076 U	0.075 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.38 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.038 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.3	**1.1**	0.081
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.071 J	0.44	0.37 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.038 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.038 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.38 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-20
						Sample Date:	05/13/2021	05/20/2021	05/20/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.3 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.4	4.7	5.4
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.38 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.59	3.5	0.96

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-21	WC-21_WC-22	WC-21_WC-22
							Sample Date: 06/05/2021	06/07/2021	06/07/2021
							Sample Depth (ft bls): 0 - 5	5 - 10	10 - 18
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.18 J	0.36 U	0.39 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.036 U	0.039 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.36 U	0.39 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.36 U	0.39 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.14 U	0.16 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.14 U	0.16 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.36 U	0.39 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.29 U	0.31 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.073 U	0.072 U	0.079 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.073 U	0.072 U	0.079 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.36 U	0.39 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.36 U	0.39 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.12 J	0.36 U	0.39 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.36 U	0.39 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.36 U	0.39 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.36 U	0.39 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.14 U	0.16 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.36 U	0.39 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.29 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.36 U	0.39 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.36 U	0.39 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.36 U	0.39 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.36 U	0.39 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.36 U	0.39 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.36 U	0.39 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.73 U	0.72 U	0.79 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.031 J	0.36 U	0.39 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.2 J	0.36 U	0.39 U
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.36 U	0.39 U
Anthracene	100	17000	30000	350	350	MG/KG	0.29 J	0.36 U	0.39 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.14 U	0.16 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.36 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-21 Sample Date: 06/05/2021 Sample Depth (ft bls): 0 - 5	Sample Designation: WC-21_WC-22 Sample Date: 06/07/2021 Sample Depth (ft bls): 5 - 10	Sample Designation: WC-21_WC-22 Sample Date: 06/07/2021 Sample Depth (ft bls): 10 - 18
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.37	0.036 U	0.039 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.49	0.036 U	0.039 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.75	0.036 U	0.039 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.41	0.36 U	0.39 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.26	0.036 U	0.039 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.36 U	0.39 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.038 J	0.36 U	0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.36 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.036 U	0.039 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.36 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.12 J	0.36 U	0.39 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.36 U	0.39 U
Carbazole	--	24	96	24	110	MG/KG	0.064 J	0.36 U	0.39 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.42	0.36 U	0.39 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.089	0.036 U	0.039 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.089 J	0.36 U	0.39 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.36 U	0.39 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.36 U	0.39 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.016 J	0.36 U	0.39 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.36 U	0.39 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.62	0.36 U	0.39 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.044 J	0.36 U	0.39 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.064	0.036 U	0.039 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.073 U	0.072 U	0.079 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.36 U	0.39 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.036 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.36	0.036 U	0.039 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.14 U	0.16 U
Naphthalene	100	6	17	25	25	MG/KG	0.17 J	0.36 U	0.39 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.036 U	0.039 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.036 U	0.039 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.36 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21	WC-21_WC-22	WC-21_WC-22
						Sample Date:	06/05/2021	06/07/2021	06/07/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.29 U	0.31 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.33 J	0.36 U	0.39 U
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.36 U	0.39 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.56	0.36 U	0.39 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-22	WC-23	WC-23_WC-24
						Sample Date:	06/07/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.37 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.037 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.37 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.37 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.37 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.3 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.071 U	0.076 U	0.076 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.071 U	0.076 U	0.076 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.37 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.37 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.037 J	0.37 U	0.37 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.37 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.37 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.37 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.3 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.37 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.37 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.37 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.37 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.71 U	0.76 U	0.76 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.01 J	0.37 U	0.37 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.029 J	0.37 U	0.37 U
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.37 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.041 J	0.37 U	0.37 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.37 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-22	WC-23	WC-23_WC-24
							Sample Date: 06/07/2021	06/03/2021	06/03/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.11	0.057	0.037 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.13	0.046	0.037 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.2	0.066	0.037 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.077 J	0.026 J	0.37 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.08	0.023 J	0.037 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.37 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.37 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.37 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.037 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.37 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.06 J	0.052 J	0.37 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.37 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.015 J	0.37 U	0.37 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.14 J	0.088 J	0.37 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.025 J	0.037 U	0.037 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.015 J	0.37 U	0.37 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.37 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.37 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.026 J	0.37 U	0.37 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.37 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.17 J	0.09 J	0.37 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.35 U	0.37 U	0.37 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.037 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.071 U	0.076 U	0.076 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.37 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.037 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.08	0.033 J	0.037 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.035 J	0.37 U	0.37 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.037 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.037 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.37 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-22	WC-23	WC-23_WC-24
						Sample Date:	06/07/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.3 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.13 J	0.1 J	0.37 U
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.37 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.16 J	0.099 J	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-24	WC-25
						Sample Date:	06/03/2021	06/02/2021	06/07/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.38 U	0.39 U	0.36 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.038 U	0.039 U	0.036 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.38 U	0.39 U	0.36 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.38 U	0.39 U	0.36 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.16 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.16 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.38 U	0.39 U	0.36 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.31 U	0.31 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.078 U	0.078 U	0.073 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.078 U	0.078 UT	0.073 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.38 U	0.39 U	0.36 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.38 U	0.39 U	0.36 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.38 U	0.059 J	0.037 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.38 U	0.39 U	0.36 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.38 U	0.39 U	0.36 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.38 U	0.39 UT	0.36 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.16 UT	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.38 U	0.39 UT	0.36 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.31 U	0.31 UT	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.39 U	0.36 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.38 U	0.39 U	0.36 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.38 U	0.39 U	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.38 U	0.39 U	0.36 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.38 U	0.39 U	0.36 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.38 U	0.39 U	0.36 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.78 U	0.78 U	0.73 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.38 U	0.39 U	0.013 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.38 U	0.062 J	0.068 J
Acetophenone	--	2	5	230	640	MG/KG	0.38 U	0.39 U	0.36 U
Anthracene	100	17000	30000	350	350	MG/KG	0.38 U	0.081 J	0.13 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.16 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.38 U	0.39 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-23_WC-24 Sample Date: 06/03/2021 Sample Depth (ft bls): 10 - 18	WC-24 06/02/2021 0 - 5	WC-25 06/07/2021 0 - 5
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.038 U	0.16	0.29
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.038 U	0.18	0.33
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.038 U	0.3	0.48
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.38 U	0.15 J	0.25 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.038 U	0.097	0.17
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.38 U	0.39 U	0.11 J
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.38 U	0.39 U	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.38 U	0.39 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.038 U	0.039 U	0.036 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.38 U	0.39 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.38 U	0.039 J	0.081 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.38 U	0.39 U	0.36 U
Carbazole	--	24	96	24	110	MG/KG	0.38 U	0.022 J	0.027 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.38 U	0.17 J	0.31 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.038 U	0.04	0.079
Dibenzofuran	59	--	--	110	310	MG/KG	0.38 U	0.034 J	0.028 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.38 U	0.39 U	0.36 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.38 U	0.39 U	0.36 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.38 U	0.39 U	0.36 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.38 U	0.39 U	0.36 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.38 U	0.24 J	0.45
Fluorene	100	2300	24000	3400	3800	MG/KG	0.38 U	0.01 J	0.026 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.038 U	0.039 U	0.036 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.078 U	0.078 U	0.073 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.38 U	0.39 U	0.36 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.038 U	0.039 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.038 U	0.16	0.28
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.16 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.38 U	0.075 J	0.044 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.038 U	0.039 U	0.036 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.038 U	0.039 U	0.036 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.38 U	0.39 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-24	WC-25
						Sample Date:	06/03/2021	06/02/2021	06/07/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.31 U	0.31 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.38 U	0.16 J	0.26 J
Phenol	100	18000	210000	33	33	MG/KG	0.38 U	0.39 U	0.36 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.38 U	0.22 J	0.44

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-26	WC-27	WC-28
						Sample Date:	06/04/2021	05/17/2021	05/18/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.34 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.034 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.34 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.34 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.14 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.14 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.34 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.27 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.074 U	0.069 U	0.071 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.074 U	0.069 U	0.071 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.34 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.34 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.015 J	0.047 J	0.042 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.34 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.34 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.34 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.14 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.34 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.27 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.34 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.34 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.34 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.34 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.34 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.34 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.74 U	0.69 U	0.71 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36 U	0.01 J	0.023 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.36 U	0.015 J	0.039 J
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.34 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.36 U	0.025 J	0.1 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.14 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.34 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-26	WC-27	WC-28
							Sample Date: 06/04/2021	05/17/2021	05/18/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	0 - 5
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.052	0.091	0.3
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.059	0.098	0.34
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.093	0.15	0.48
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.046 J	0.069 J	0.25 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.036	0.062	0.17
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.34 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.34 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.34 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.034 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.34 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.052 J	0.34 U	0.044 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.34 UT	0.35 U
Carbazole	--	24	96	24	110	MG/KG	0.36 U	0.34 U	0.034 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.054 J	0.086 J	0.33 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.036 U	0.019 J	0.069
Dibenzofuran	59	--	--	110	310	MG/KG	0.36 U	0.017 J	0.032 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.34 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.34 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.34 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.34 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.075 J	0.13 J	0.47
Fluorene	100	2300	24000	3400	3800	MG/KG	0.36 U	0.02 J	0.027 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.034 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.074 U	0.069 U	0.071 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.34 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.034 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.062	0.073	0.25
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.14 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.018 J	0.03 J	0.054 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.034 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.034 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.34 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-26	WC-27	WC-28
						Sample Date:	06/04/2021	05/17/2021	05/18/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.27 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.043 J	0.097 J	0.28 J
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.34 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.067 J	0.14 J	0.56

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-29	WC-3	WC-30
							Sample Date: 05/18/2021	05/04/2021	05/17/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	0 - 5
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.34 U	0.37 U	0.4 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.034 U	0.037 U	0.04 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.34 U	0.37 U	0.4 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.34 U	0.37 U	0.4 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.15 U	0.16 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.15 U	0.16 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.34 U	0.37 U	0.4 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.3 UT	0.32 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.069 U	0.074 U	0.081 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.069 U	0.074 U	0.081 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.34 U	0.37 U	0.4 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.34 U	0.37 U	0.4 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.055 J	0.01 J	0.036 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.34 U	0.37 U	0.4 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.34 U	0.37 U	0.4 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.34 U	0.37 UT	0.4 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.15 U	0.16 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.34 U	0.37 U	0.4 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.3 U	0.32 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.34 U	0.37 U	0.4 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.34 U	0.37 U	0.4 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.34 U	0.37 U	0.4 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.34 U	0.37 U	0.4 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.34 U	0.37 U	0.4 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.34 U	0.37 U	0.4 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.69 U	0.74 U	0.81 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.02 J	0.37 U	0.077 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.063 J	0.37 U	0.058 J
Acetophenone	--	2	5	230	640	MG/KG	0.34 U	0.37 U	0.4 U
Anthracene	100	17000	30000	350	350	MG/KG	0.088 J	0.37 U	1.9
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.15 U	0.16 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.34 U	0.37 U	0.4 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-29	WC-3	WC-30
							Sample Date: 05/18/2021	05/04/2021	05/17/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	0 - 5
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.43	0.14	0.44
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.53	0.19	0.35
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.73	0.26	0.61
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.42	0.16 J	0.17 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.22	0.076	0.23
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.019 J	0.37 U	0.4 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.34 U	0.37 U	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.34 U	0.37 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.034 U	0.037 U	0.04 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.34 U	0.37 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.14 J	0.37 U	0.059 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.34 U	0.37 U	0.4 UT
Carbazole	--	24	96	24	110	MG/KG	0.028 J	0.37 U	0.1 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.46	0.17 J	0.72
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.11	0.043	0.053
Dibenzofuran	59	--	--	110	310	MG/KG	0.03 J	0.37 U	0.095 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.34 U	0.37 U	0.4 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.34 U	0.37 U	0.4 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.34 U	0.37 U	0.015 J
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.023 J	0.37 U	0.4 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.59	0.24 J	1.5
Fluorene	100	2300	24000	3400	3800	MG/KG	0.025 J	0.37 U	0.23 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.034 U	0.037 U	0.04 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.069 U	0.074 U	0.081 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.34 U	0.37 U	0.4 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.034 U	0.037 U	0.04 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.42	0.15	0.19
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.15 U	0.16 U
Naphthalene	100	6	17	25	25	MG/KG	0.053 J	0.016 J	0.041 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.034 U	0.037 U	0.04 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.034 U	0.037 U	0.04 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.34 U	0.37 U	0.4 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-29	WC-3	WC-30
						Sample Date:	05/18/2021	05/04/2021	05/17/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.3 U	0.32 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.34	0.1 J	1.1
Phenol	100	18000	210000	33	33	MG/KG	0.34 U	0.37 U	0.4 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.8	0.24 J	1.1

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-4	WC-5	WC-6
							Sample Date: 05/04/2021	05/05/2021	05/05/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	0 - 5
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.39 U	0.38 U	0.38 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.039 U	0.038 U	0.038 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.39 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.39 U	0.38 U	0.38 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.16 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.16 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.39 U	0.38 U	0.38 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.31 UT	0.31 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.079 U	0.077 U	0.077 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.079 U	0.077 U	0.077 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.39 U	0.38 U	0.38 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.39 U	0.38 U	0.38 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.012 J	0.38 U	0.38 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.39 U	0.38 U	0.38 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.39 U	0.38 U	0.38 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.39 UT	0.38 U	0.38 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.16 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.38 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.31 U	0.31 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.38 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.39 U	0.38 U	0.38 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.39 U	0.38 U	0.38 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.38 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.39 U	0.38 U	0.38 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.39 U	0.38 U	0.38 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.79 U	0.77 U	0.77 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.011 J	0.38 U	0.013 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.39 U	0.013 J	0.014 J
Acetophenone	--	2	5	230	640	MG/KG	0.39 U	0.38 U	0.38 U
Anthracene	100	17000	30000	350	350	MG/KG	0.39 U	0.029 J	0.038 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.16 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.39 U	0.38 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-4	WC-5	WC-6
						Sample Date:	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.12	0.087	0.13
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.13	0.1	0.13
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.16	0.15	0.2
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.097 J	0.056 J	0.07 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.058	0.063	0.081
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.39 U	0.38 U	0.032 J
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.39 U	0.38 U	0.38 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.39 U	0.38 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.039 U	0.038 U	0.038 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.39 U	0.38 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.024 J	0.057 J	0.051 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.39 U	0.38 U	0.38 U
Carbazole	--	24	96	24	110	MG/KG	0.39 U	0.38 U	0.016 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.11 J	0.093 J	0.13 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.025 J	0.038 U	0.022 J
Dibenzofuran	59	--	--	110	310	MG/KG	0.39 U	0.0098 J	0.014 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.39 U	0.38 U	0.38 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.38 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.39 U	0.38 U	0.38 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.39 U	0.38 U	0.38 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.2 J	0.16 J	0.23 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.013 J	0.011 J	0.017 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.039 U	0.038 U	0.038 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.079 U	0.077 U	0.077 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.39 U	0.38 U	0.38 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.039 U	0.038 U	0.038 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.092	0.062	0.072
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.16 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.021 J	0.018 J	0.014 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.039 U	0.038 U	0.038 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.039 U	0.038 U	0.038 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.39 U	0.38 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-4	WC-5	WC-6
						Sample Date:	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.31 U	0.31 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.13 J	0.08 J	0.12 J
Phenol	100	18000	210000	33	33	MG/KG	0.39 U	0.38 U	0.38 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.22 J	0.17 J	0.23 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6_WC-7	WC-7	WC-8
						Sample Date:	05/06/2021	05/06/2021	05/06/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.52 U	0.38 U	0.38 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.052 U	0.038 U	0.038 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.52 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.52 U	0.38 U	0.38 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.21 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.21 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.52 U	0.38 U	0.38 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.42 U	0.31 U	0.31 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.1 U	0.077 U	0.078 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.1 U	0.077 U	0.078 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.52 U	0.38 U	0.38 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.52 U	0.38 U	0.38 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.22 J	0.38 U	0.38 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.52 U	0.38 U	0.38 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.52 U	0.38 U	0.38 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.52 U	0.38 U	0.38 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.21 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.52 U	0.38 U	0.38 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.42 U	0.31 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.52 U	0.38 U	0.38 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.52 U	0.38 U	0.38 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.52 U	0.38 U	0.38 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.52 U	0.38 U	0.38 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.52 U	0.38 U	0.38 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.52 U	0.38 U	0.38 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	1 U	0.77 U	0.78 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.52	0.38 U	0.032 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.52 U	0.38 U	0.033 J
Acetophenone	--	2	5	230	640	MG/KG	0.52 U	0.38 U	0.38 U
Anthracene	100	17000	30000	350	350	MG/KG	0.97	0.38 U	0.081 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.21 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.52 U	0.38 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-6_WC-7	WC-7	WC-8
							Sample Date: 05/06/2021	05/06/2021	05/06/2021
							Sample Depth (ft bls): 5 - 10	0 - 5	0 - 5
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	**1.1**	0.11	0.34
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.95	0.1	0.37
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	**1.2**	0.13	0.4
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.55	0.092 J	0.22 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.52	0.072	0.19
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.28 J	0.025 J	0.38 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.062 J	0.38 U	0.38 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.52 U	0.38 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.052 U	0.038 U	0.038 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.52 U	0.38 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.5 J	0.062 J	6.2
Caprolactam	--	31000	340000	--	--	MG/KG	0.52 U	0.38 U	0.38 U
Carbazole	--	24	96	24	110	MG/KG	0.43 J	0.38 U	0.38 U
Chrysene	3.9	450	1700	35	230	MG/KG	1.1	0.13 J	0.37 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.15	0.038 U	0.047
Dibenzofuran	59	--	--	110	310	MG/KG	0.42 J	0.38 U	0.016 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.52 U	0.38 U	0.38 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.52 U	0.38 U	0.38 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.52 U	0.38 U	0.38 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.52 U	0.38 U	0.38 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	2.8	0.16 J	0.64
Fluorene	100	2300	24000	3400	3800	MG/KG	0.49 J	0.38 U	0.036 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.052 U	0.038 U	0.038 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.1 U	0.077 U	0.078 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.52 U	0.38 U	0.38 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.052 U	0.038 U	0.038 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	**0.6**	0.081	0.22
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.21 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.29 J	0.38 U	0.38 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.052 U	0.038 U	0.038 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.052 U	0.038 U	0.038 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.52 U	0.38 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6_WC-7	WC-7	WC-8
						Sample Date:	05/06/2021	05/06/2021	05/06/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.42 U	0.31 U	0.31 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	3.5	0.057 J	0.29 J
Phenol	100	18000	210000	33	33	MG/KG	0.52 U	0.38 U	0.38 U
Pyrene	100	1700	18000	2200	2200	MG/KG	2.8	0.22 J	0.73

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-8_WC-9	WC-9	WCR-1
						Sample Date:	05/10/2021	05/10/2021	05/23/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.39 U	0.38 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.039 U	0.038 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.39 U	0.38 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.39 U	0.38 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.16 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.16 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.39 U	0.38 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.31 U	0.31 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.078 U	0.077 U	0.076 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.078 U	0.077 U	0.076 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.39 U	0.38 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.39 U	0.38 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.069 J	0.021 J	0.017 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.39 U	0.38 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.39 U	0.38 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.39 U	0.38 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.16 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.31 U	0.31 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.39 U	0.38 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.39 U	0.38 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.39 U	0.38 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.39 U	0.38 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.78 U	0.77 U	0.76 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.14 J	0.023 J	0.37 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.013 J	0.023 J	0.022 J
Acetophenone	--	2	5	230	640	MG/KG	0.39 U	0.38 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.24 J	0.078 J	0.37 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.16 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.39 U	0.38 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-8_WC-9	WC-9	WCR-1
							Sample Date: 05/10/2021	05/10/2021	05/23/2021
							Sample Depth (ft bls): 5 - 10	0 - 5	0 - 8
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.49	0.3	0.18
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.49	0.35	0.22
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.59	0.47	0.27
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.26 J	0.21 J	0.16 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.22	0.16	0.11
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.39 U	0.38 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.39 U	0.38 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.39 U	0.38 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.039 U	0.038 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.39 U	0.38 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.19 J	0.055 J	0.34 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.39 U	0.38 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.089 J	0.02 J	0.37 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.5	0.34 J	0.18 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.086	0.057	0.047 T
Dibenzofuran	59	--	--	110	310	MG/KG	0.086 J	0.021 J	0.37 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.39 U	0.38 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.39 U	0.38 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.39 U	0.014 J	0.37 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.39 U	0.38 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	1.1	0.53	0.32 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.13 J	0.024 J	0.37 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.039 U	0.038 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.078 U	0.077 U	0.076 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.39 U	0.38 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.039 U	0.038 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.31	0.25	0.17 T
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.16 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.076 J	0.02 J	0.027 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.039 U	0.038 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.039 U	0.038 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.39 U	0.38 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-8_WC-9	WC-9	WCR-1
						Sample Date:	05/10/2021	05/10/2021	05/23/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.31 U	0.31 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.9	0.28 J	0.088 J
Phenol	100	18000	210000	33	33	MG/KG	0.39 U	0.38 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	1	0.55	0.25 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-10	WCR-11	WCR-12
						Sample Date:	05/28/2021	05/28/2021	05/28/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.36 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.036 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.36 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.36 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.36 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.29 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.073 U	0.072 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.073 U	0.072 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.36 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.36 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.012 J	0.013 J	0.35 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.36 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.36 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.36 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.14 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.29 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.36 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 UT	0.36 UT	0.35 UT
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.36 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.36 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.73 U	0.72 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.019 J	0.034 J	0.35 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.021 J	0.014 J	0.35 U
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.36 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.067 J	0.14 J	0.35 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.14 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.36 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-10	WCR-11	WCR-12
							Sample Date: 05/28/2021	05/28/2021	05/28/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.2	0.82	0.035 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.19	0.92	0.035 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.26	**1.1**	0.035 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.13 J	0.57	0.35 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.1	0.44	0.035 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.36 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.36 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.36 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.036 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.36 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.1 J	0.36 U	0.05 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.36 U	0.35 U
Carbazole	--	24	96	24	110	MG/KG	0.034 J	0.051 J	0.35 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.2 J	0.72	0.35 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.025 J	0.14	0.035 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.017 J	0.021 J	0.35 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.36 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.35 U	0.36 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.36 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.43	1.4	0.35 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.018 J	0.033 J	0.35 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.036 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.073 U	0.072 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.36 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.036 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.15	**0.59**	0.035 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.14 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.016 J	0.047 J	0.028 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.036 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.036 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.36 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-10	WCR-11	WCR-12
						Sample Date:	05/28/2021	05/28/2021	05/28/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.29 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.25 J	0.55	0.35 U
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.36 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.36	1.3	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-13	WCR-14	WCR-15
						Sample Date:	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.36 U	0.36 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.036 U	0.036 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.36 U	0.36 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.36 U	0.36 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.29 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.073 U	0.072 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.073 U	0.072 UT
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.36 U	0.36 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.36 U	0.36 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.35 U	0.36 U	0.36 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.36 U	0.36 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.36 U	0.36 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.36 U	0.36 UT
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.14 U	0.14 UT
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.36 UT
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.29 U	0.29 UT
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.36 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.36 U	0.36 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.36 U	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.36 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.36 U	0.36 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.36 U	0.36 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.73 U	0.72 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.35 U	0.011 J	0.36 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.35 U	0.36 U	0.36 U
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.36 U	0.36 U
Anthracene	100	17000	30000	350	350	MG/KG	0.35 U	0.028 J	0.034 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.14 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.36 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-13	WCR-14	WCR-15
							Sample Date: 06/01/2021	06/01/2021	06/02/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.021 JT	0.051 T	0.07
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.022 J	0.052	0.069
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.021 J	0.059	0.085
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.029 J	0.03 J	0.04 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.0086 J	0.022 J	0.036
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.36 U	0.36 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.36 U	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.36 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.036 U	0.036 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.36 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.35 U	0.36 U	0.36 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.36 U	0.36 U
Carbazole	--	24	96	24	110	MG/KG	0.35 U	0.36 U	0.36 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.016 JT	0.045 JT	0.081 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.035 U	0.036 U	0.036 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.35 U	0.013 J	0.36 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.36 U	0.36 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.36 U	0.36 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.35 U	0.36 U	0.36 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.36 U	0.36 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.021 J	0.096 J	0.13 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.35 U	0.011 J	0.36 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.036 U	0.036 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.073 U	0.072 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.36 U	0.36 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.036 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.021 J	0.038	0.041
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.14 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.35 U	0.021 J	0.36 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.036 U	0.036 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.036 U	0.036 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.36 U	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-13	WCR-14	WCR-15
						Sample Date:	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.29 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.01 J	0.11 J	0.11 J
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.36 U	0.36 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.021 J	0.086 J	0.13 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16	WCR-17	WCR-2
						Sample Date:	06/04/2021	06/04/2021	05/23/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.39 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.039 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.39 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.39 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.16 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.16 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.39 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.31 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.072 U	0.079 U	0.071 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.072 U	0.079 U	0.071 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.39 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.39 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.049 J	0.013 J	0.048 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.39 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.39 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.39 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.16 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.31 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.39 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.39 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.39 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.39 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.72 U	0.79 U	0.71 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36 U	0.39 U	0.13 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.025 J	0.012 J	0.044 J
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.39 U	0.35 U
Anthracene	100	17000	30000	350	350	MG/KG	0.058 J	0.39 U	0.29 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.16 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.39 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-16	WCR-17	WCR-2
							Sample Date: 06/04/2021	06/04/2021	05/23/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.26	0.061	0.88
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.27	0.06	0.98
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.4	0.087	**1.3**
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.19 J	0.041 J	0.61
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.12	0.029 J	0.43
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.033 J	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.039 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.052 J	0.071 J	0.19 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.39 U	0.35 U
Carbazole	--	24	96	24	110	MG/KG	0.022 J	0.39 U	0.1 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.29 J	0.077 J	0.89
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.068	0.039 U	0.17 T
Dibenzofuran	59	--	--	110	310	MG/KG	0.028 J	0.39 U	0.063 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.012 J	0.39 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.031 J	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.39 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.42	0.1 J	1.9
Fluorene	100	2300	24000	3400	3800	MG/KG	0.014 J	0.39 U	0.099 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.039 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.072 U	0.079 U	0.071 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.39 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.039 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.21	0.039	**0.67 T**
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.16 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.051 J	0.026 J	0.052 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.039 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.039 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.39 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16	WCR-17	WCR-2
						Sample Date:	06/04/2021	06/04/2021	05/23/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.31 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.24 J	0.07 J	1.1
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.39 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.37	0.093 J	1.7

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-3	WCR-4	WCR-5
							Sample Date: 05/23/2021	05/23/2021	05/26/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.39 U	0.35 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.039 U	0.035 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.39 U	0.35 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.39 U	0.35 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.16 U	0.14 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.16 U	0.14 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.39 U	0.35 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.32 U	0.28 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.073 U	0.079 U	0.071 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.073 U	0.079 U	0.071 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.39 U	0.35 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.39 U	0.35 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.36 U	0.39 U	0.01 J
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.39 U	0.35 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.39 U	0.35 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.39 U	0.35 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.16 U	0.14 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.32 U	0.28 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.39 U	0.35 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.39 U	0.35 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.39 U	0.35 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.39 U	0.35 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.73 U	0.79 U	0.71 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36 U	0.39 U	0.021 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.36 U	0.39 U	0.35 U
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.39 U	0.081 J
Anthracene	100	17000	30000	350	350	MG/KG	0.36 U	0.39 U	0.055 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.16 U	0.14 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.39 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-3	WCR-4	WCR-5
						Sample Date:	05/23/2021	05/23/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.081	0.039 U	0.15
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.1	0.039 U	0.18
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.12	0.039 U	0.21
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.06 J	0.39 U	0.11 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.038	0.039 U	0.058
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.39 U	0.35 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.039 U	0.035 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.39 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.069 J	0.39 U	0.034 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.39 U	0.35 U
Carbazole	--	24	96	24	110	MG/KG	0.36 U	0.39 U	0.015 J
Chrysene	3.9	450	1700	35	230	MG/KG	0.083 J	0.39 U	0.14 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.018 JT	0.039 UT	0.032 J
Dibenzofuran	59	--	--	110	310	MG/KG	0.36 U	0.39 U	0.016 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.39 U	0.35 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.39 U	0.35 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.39 U	0.35 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.39 U	0.35 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.068 J	0.39 U	0.29 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.36 U	0.39 U	0.021 J
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.039 U	0.035 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.073 U	0.079 U	0.071 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.39 U	0.35 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.039 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.068 T	0.039 UT	0.12
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.16 U	0.14 U
Naphthalene	100	6	17	25	25	MG/KG	0.36 U	0.39 U	0.02 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.039 U	0.035 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.039 U	0.035 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.39 U	0.35 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-3	WCR-4	WCR-5
						Sample Date:	05/23/2021	05/23/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.32 U	0.28 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.017 J	0.39 U	0.2 J
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.39 U	0.35 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.057 J	0.39 U	0.27 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-6	WCR-7	WCR-8
							Sample Date: 05/26/2021	05/26/2021	05/27/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.35 U	0.35 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.035 U	0.035 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.35 U	0.35 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.35 U	0.35 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.14 U	0.14 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.14 U	0.14 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.35 U	0.35 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.28 U	0.28 U	0.3 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.071 U	0.071 U	0.075 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.071 U	0.071 U	0.075 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.35 U	0.35 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.35 U	0.35 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.35 U	0.35 U	0.37 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.35 U	0.35 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.35 U	0.35 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.35 U	0.35 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.14 U	0.14 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.35 U	0.35 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.28 U	0.28 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.35 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.35 U	0.35 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.35 U	0.35 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.35 U	0.35 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.35 U	0.35 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.35 U	0.35 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.71 U	0.71 U	0.75 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.35 U	0.35 U	0.37 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.011 J	0.35 U	0.015 J
Acetophenone	--	2	5	230	640	MG/KG	0.35 U	0.35 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.35 U	0.35 U	0.021 J
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.14 U	0.14 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.35 U	0.35 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-6	WCR-7	WCR-8
							Sample Date: 05/26/2021	05/26/2021	05/27/2021
							Sample Depth (ft bls): 0 - 8	0 - 8	0 - 8
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.048	0.035 U	0.099
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.066	0.035 U	0.18
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.081	0.035 U	0.2
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.053 J	0.35 U	0.25 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.039	0.035 U	0.074
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.35 U	0.35 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.35 U	0.35 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.35 U	0.35 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.035 U	0.035 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.35 U	0.35 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.22 J	0.042 J	0.035 J
Caprolactam	--	31000	340000	--	--	MG/KG	0.35 U	0.35 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.35 U	0.35 U	0.37 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.047 J	0.35 U	0.11 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.035 U	0.035 U	0.077
Dibenzofuran	59	--	--	110	310	MG/KG	0.35 U	0.35 U	0.014 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.35 U	0.35 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.35 U	0.35 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.35 U	0.35 U	0.37 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.35 U	0.35 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.073 J	0.35 U	0.12 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.35 U	0.35 U	0.37 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.035 U	0.035 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.071 U	0.071 U	0.075 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.35 U	0.35 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.035 U	0.035 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.053	0.035 U	0.25
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.14 U	0.14 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.016 J	0.35 U	0.035 J
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.035 U	0.035 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.035 U	0.035 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.35 U	0.35 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-6	WCR-7	WCR-8
						Sample Date:	05/26/2021	05/26/2021	05/27/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.28 U	0.28 U	0.3 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.036 J	0.35 U	0.068 J
Phenol	100	18000	210000	33	33	MG/KG	0.35 U	0.35 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.077 J	0.35 U	0.11 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-9	WL-1	WL-2
						Sample Date:	05/27/2021	06/08/2021	06/08/2021
						Sample Depth (ft bls):	0 - 8	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	1.8 U	0.37 U	0.38 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.18 U	0.037 U	0.038 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	1.8 U	0.37 U	0.38 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	1.8 U	0.37 U	0.38 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.73 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.73 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	1.8 U	0.37 U	0.38 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	1.5 U	0.3 U	0.31 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.37 U	0.076 U	0.077 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.37 U	0.076 U	0.077 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	1.8 U	0.37 U	0.38 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	1.8 U	0.37 U	0.38 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.064 J	0.37 U	1.7
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	1.8 U	0.37 U	0.38 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	1.8 U	0.37 U	0.38 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	1.8 U	0.37 U	0.38 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.73 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	1.8 U	0.37 U	0.38 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	1.5 U	0.3 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	1.8 U	0.37 U	0.38 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	1.8 U	0.37 U	0.38 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	1.8 U	0.37 U	0.38 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	1.8 U	0.37 U	0.38 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	1.8 U	0.37 U	0.38 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	1.8 U	0.37 U	0.38 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	3.7 U	0.76 U	0.77 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.069 J	0.52	0.23 J
Acenaphthylene	100	--	300000	2800	8000	MG/KG	1.8 U	0.056 J	0.13 J
Acetophenone	--	2	5	230	640	MG/KG	1.8 U	0.37 U	0.38 U
Anthracene	100	17000	30000	350	350	MG/KG	0.14 J	0.23 J	0.38 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.73 U	0.15 U	0.15 U
Benzaldehyde	--	6100	68000	--	--	MG/KG	1.8 U	0.37 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WCR-9	WL-1	WL-2
							Sample Date: 05/27/2021	06/08/2021	06/08/2021
							Sample Depth (ft bls): 0 - 8	0 - 10	0 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.28	0.2	0.086
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.48	0.094	0.1
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.36	0.12	0.15
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	3.1	0.035 J	0.068 J
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.15 J	0.05	0.044
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	1.8 U	0.37 U	0.38 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	1.8 U	0.37 U	0.38 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	1.8 U	0.37 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.18 U	0.037 U	0.038 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	1.8 U	0.37 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.18 J	0.37 U	0.38 U
Caprolactam	--	31000	340000	--	--	MG/KG	1.8 U	0.37 U	0.38 U
Carbazole	--	24	96	24	110	MG/KG	1.8 U	0.37 U	0.38 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.31 J	0.24 J	0.13 J
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	2.2	0.037 U	0.017 J
Dibenzofuran	59	--	--	110	310	MG/KG	1.8 U	0.4	0.23 J
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	1.8 U	0.37 U	0.38 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	1.8 U	0.37 U	0.38 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	1.8 U	0.37 U	0.38 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	1.8 U	0.37 U	0.38 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.64 J	1	0.12 J
Fluorene	100	2300	24000	3400	3800	MG/KG	0.086 J	0.66	0.54
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.18 U	0.037 U	0.038 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.37 U	0.076 U	0.077 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	1.8 U	0.37 U	0.38 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.18 U	0.037 U	0.038 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	**2.7**	0.035 J	0.076
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.73 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.083 J	0.37 U	0.38 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.18 U	0.037 U	0.038 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.18 U	0.037 U	0.038 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	1.8 U	0.37 U	0.38 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-9	WL-1	WL-2
						Sample Date:	05/27/2021	06/08/2021	06/08/2021
						Sample Depth (ft bls):	0 - 8	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	1.5 U	0.3 U	0.31 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.53 J	1.6	1.1
Phenol	100	18000	210000	33	33	MG/KG	1.8 U	0.37 U	0.38 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.55 J	0.87	0.15 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-3	WL-4	WL-5
						Sample Date:	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U	0.37 U	0.37 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U	0.037 U	0.037 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U	0.37 U	0.37 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U	0.37 U	0.37 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U	0.37 U	0.37 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U	0.3 U	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.074 U	0.076 U	0.074 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.074 U	0.076 U	0.074 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U	0.37 U	0.37 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U	0.37 U	0.37 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	2.4	8.1	0.37 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U	0.37 U	0.37 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U	0.37 U	0.37 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U	0.37 U	0.37 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U	0.3 U	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U	0.37 U	0.37 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U	0.37 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.37 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U	0.37 U	0.37 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U	0.37 U	0.37 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.74 U	0.76 U	0.74 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36	0.51	0.37 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.17 J	0.22 J	0.37 U
Acetophenone	--	2	5	230	640	MG/KG	0.36 U	0.37 U	0.37 U
Anthracene	100	17000	30000	350	350	MG/KG	0.36 U	0.37 U	0.37 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 U	0.15 U	0.15 UT
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 U	0.37 U	0.37 UT

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-3	WL-4	WL-5
						Sample Date:	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.047	0.1	0.037 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.037	0.083	0.037 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.063	0.14	0.037 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.026 J	0.048 J	0.37 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.022 J	0.044	0.037 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U	0.37 U	0.37 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U	0.37 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U	0.37 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U	0.037 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U	0.37 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.029 J	0.37 U	0.37 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U	0.37 U	0.37 U
Carbazole	--	24	96	24	110	MG/KG	0.36 U	0.37 U	0.37 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.068 J	0.13 J	0.37 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.036 U	0.018 J	0.037 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.43	0.49	0.37 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U	0.37 U	0.37 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U	0.37 U	0.37 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U	0.37 U	0.37 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U	0.37 U	0.37 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.14 J	0.33 J	0.37 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.74	0.8	0.37 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U	0.037 U	0.037 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.074 U	0.076 U	0.074 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U	0.37 U	0.37 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U	0.037 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.028 J	0.054	0.037 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U	0.15 U	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.36 U	0.91	0.37 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U	0.037 U	0.037 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U	0.037 U	0.037 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U	0.37 U	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-3	WL-4	WL-5
						Sample Date:	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U	0.3 U	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	1.6	2	0.37 U
Phenol	100	18000	210000	33	33	MG/KG	0.36 U	0.37 U	0.37 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.18 J	0.33 J	0.37 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

					Sample Designation:		WL-6
					Sample Date:		06/10/2021
					Sample Depth (ft bls):		0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	
1,2,4,5-Tetrachlorobenzene	--	--	--	6	16	MG/KG	0.36 U
1,4-Dioxane (P-Dioxane)	13	--	--	0.084	0.42	MG/KG	0.036 U
2,3,4,6-Tetrachlorophenol	--	--	--	2000	5500	MG/KG	0.36 U
2,4,5-Trichlorophenol	--	6100	68000	2600	7300	MG/KG	0.36 U
2,4,6-Trichlorophenol	--	19	74	12	34	MG/KG	0.15 U
2,4-Dichlorophenol	--	180	2100	1	1	MG/KG	0.15 U
2,4-Dimethylphenol	--	1200	14000	36	100	MG/KG	0.36 U
2,4-Dinitrophenol	--	120	1400	0.94	2.6	MG/KG	0.29 U
2,4-Dinitrotoluene	--	0.7	3	0.057	0.26	MG/KG	0.074 U
2,6-Dinitrotoluene	--	0.7	3	0.015	0.068	MG/KG	0.074 U
2-Chloronaphthalene	--	--	--	7000	20000	MG/KG	0.36 U
2-Chlorophenol	--	310	2200	4.4	4.4	MG/KG	0.36 U
2-Methylnaphthalene	--	230	2400	680	1900	MG/KG	0.36 U
2-Methylphenol (O-Cresol)	100	310	3400	35	96	MG/KG	0.36 U
2-Nitroaniline	--	39	23000	8	21	MG/KG	0.36 U
2-Nitrophenol	--	--	--	6.7	19	MG/KG	0.36 U
3,3'-Dichlorobenzidine	--	1	4	8.8	42	MG/KG	0.15 U
3-Nitroaniline	--	--	--	--	--	MG/KG	0.36 U
4,6-Dinitro-2-Methylphenol	--	6	68	0.25	0.7	MG/KG	0.29 U
4-Bromophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U
4-Chloro-3-Methylphenol	--	--	--	870	2500	MG/KG	0.36 U
4-Chloroaniline	--	--	--	0.47	2.1	MG/KG	0.36 U
4-Chlorophenyl Phenyl Ether	--	--	--	--	--	MG/KG	0.36 U
4-Methylphenol (P-Cresol)	100	31	340	4.9	14	MG/KG	0.36 U
4-Nitroaniline	--	--	--	0.55	2.5	MG/KG	0.36 U
4-Nitrophenol	--	--	--	4.1	4.1	MG/KG	0.74 U
Acenaphthene	100	3400	37000	3100	4700	MG/KG	0.36 U
Acenaphthylene	100	--	300000	2800	8000	MG/KG	0.36 U
Acetophenone	--	2	5	230	640	MG/KG	0.36 U
Anthracene	100	17000	30000	350	350	MG/KG	0.36 U
Atrazine	--	210	2400	0.13	0.13	MG/KG	0.15 UT
Benzaldehyde	--	6100	68000	--	--	MG/KG	0.36 UT

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WL-6 Sample Date: 06/10/2021 Sample Depth (ft bls): 0 - 10
Benzo(A)Anthracene	**1**	5	17	6	130	MG/KG	0.036 U
Benzo(A)Pyrene	**1**	0.5	2	0.58	12	MG/KG	0.036 U
Benzo(B)Fluoranthene	**1**	5	17	3.5	76	MG/KG	0.036 U
Benzo(G,H,I)Perylene	100	380000	30000	180	180	MG/KG	0.36 U
Benzo(K)Fluoranthene	3.9	45	170	4	76	MG/KG	0.036 U
Benzyl Butyl Phthalate	--	1200	14000	3200	10000	MG/KG	0.36 U
Biphenyl (Diphenyl)	--	61	240	40	190	MG/KG	0.36 U
Bis(2-Chloroethoxy) Methane	--	--	--	3.4	9.2	MG/KG	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	0.4	2	0.0045	0.023	MG/KG	0.036 U
Bis(2-Chloroisopropyl) Ether	--	23	67	8	8	MG/KG	0.36 U
Bis(2-Ethylhexyl) Phthalate	--	35	140	130	130	MG/KG	0.36 U
Caprolactam	--	31000	340000	--	--	MG/KG	0.36 U
Carbazole	--	24	96	24	110	MG/KG	0.36 U
Chrysene	3.9	450	1700	35	230	MG/KG	0.36 U
Dibenz(A,H)Anthracene	**0.33**	0.5	2	1	22	MG/KG	0.036 U
Dibenzofuran	59	--	--	110	310	MG/KG	0.36 U
Diethyl Phthalate	--	49000	550000	1000	52	MG/KG	0.36 U
Dimethyl Phthalate	--	--	--	--	--	MG/KG	0.36 U
Di-N-Butyl Phthalate	--	6100	68000	1700	4900	MG/KG	0.36 U
Di-N-Octylphthalate	--	2400	27000	2200	10000	MG/KG	0.36 U
Fluoranthene	100	2300	24000	3200	3200	MG/KG	0.36 U
Fluorene	100	2300	24000	3400	3800	MG/KG	0.36 U
Hexachlorobenzene	1.2	0.3	1	0.96	0.96	MG/KG	0.036 U
Hexachlorobutadiene	--	6	25	11	52	MG/KG	0.074 U
Hexachlorocyclopentadiene	--	45	110	91	91	MG/KG	0.36 U
Hexachloroethane	--	12	48	0.56	0.56	MG/KG	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	5	17	3.5	76	MG/KG	0.036 U
Isophorone	--	510	2000	1.9	1.9	MG/KG	0.15 U
Naphthalene	100	6	17	25	25	MG/KG	0.36 U
Nitrobenzene	--	5	14	3.6	10	MG/KG	0.036 U
N-Nitrosodi-N-Propylamine	--	0.2	0.3	0.0014	0.0068	MG/KG	0.036 U
N-Nitrosodiphenylamine	--	99	390	23	110	MG/KG	0.36 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

					Sample Designation:		WL-6
					Sample Date:		06/10/2021
					Sample Depth (ft bls):		0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	
Pentachlorophenol	6.7	0.9	3	5	5	MG/KG	0.29 U
Phenanthrene	100	--	300000	10000	10000	MG/KG	0.36 U
Phenol	100	18000	210000	33	33	MG/KG	0.36 U
Pyrene	100	1700	18000	2200	2200	MG/KG	0.36 U

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: CA-1	CA-2	SP-1_WC-8_9_10	SP-2_WC-11_12_13
							Sample Date: 05/14/2021	06/11/2021	06/07/2021	06/08/2021
							Sample Depth (ft bls): 0 - 2	0 - 2	-	-
Aluminum	--	78000	--	190000	190000	MG/KG	837	3920	4500	5200
Antimony	--	31	450	27	27	MG/KG	0.18 J	2.6	0.68 J	1.1
Arsenic	**16**	19	19	12	*29*	MG/KG	0.86 J	7.9	4.5	7.3
Barium	400	16000	59000	8200	8200	MG/KG	8.7	41.1	183	60.4
Beryllium	72	16	140	320	320	MG/KG	0.4 U	0.56	0.31 J	0.31 J
Cadmium	4.3	78	78	38	38	MG/KG	1 U	0.72 J	0.32 J	0.43 J
Calcium	--	--	--	--	--	MG/KG	1060	7280	4590	9220
Chromium III	**180**	120000	--	190000	190000	MG/KG	3	14.6	15.6	18.7
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.1 U	1.2	0.49 U	0.48 U
Chromium, Total	**180**	240	--	--	--	MG/KG	3	15.8	15.6	18.7
Cobalt	--	1600	590	59	160	MG/KG	0.97 J	6.2	5.3	6.5
Copper	270	3100	45000	8100	43000	MG/KG	15.6	150	75.7	106
Cyanide	27	47	680	130	200	MG/KG	0.18 J	0.24 U	0.23 U	0.22 J
Iron	--	--	--	150000	190000	MG/KG	3000	27700	12300	18100
Lead	400	400	800	450	450	MG/KG	64	205	148	160
Magnesium	--	--	--	--	--	MG/KG	531	2690	2340	5530
Manganese	2000	11000	5900	2000	2000	MG/KG	37.9	284	215	225
Mercury	**0.81**	23	65	10	10	MG/KG	0.066	0.5	0.12	0.089
Nickel	310	1600	23000	650	650	MG/KG	2.6	15.8	13.4	17.6
Potassium	--	--	--	--	--	MG/KG	147	363	734	1260
Selenium	180	390	5700	26	26	MG/KG	1.2 U	0.64 J	0.6 J	0.57 J
Silver	180	390	5700	84	84	MG/KG	0.19 J	0.25 J	0.13 J	0.21 J
Sodium	--	--	--	--	--	MG/KG	39.1 J	166	135	186
Thallium	--	5	79	2.2	14	MG/KG	0.4 U	0.058 J	0.089 J	0.13 J
Vanadium	--	78	1100	15	220	MG/KG	4	25.3	23.5	42.6
Zinc	10000	23000	110000	12000	12000	MG/KG	20.4	113	119	148

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-3_WC-14	SP-4_WC-14_15	SP-5_WC-16-17	WC-1
						Sample Date:	06/07/2021	06/08/2021	06/08/2021	05/20/2021
						Sample Depth (ft bls):	-	-	-	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	4680	5060	4000	4480
Antimony	--	31	450	27	27	MG/KG	1.2 U	0.2 J	1.2	1.4
Arsenic	**16**	19	19	12	*29*	MG/KG	1.8	2.3	13.3	6.3
Barium	400	16000	59000	8200	8200	MG/KG	7.2	32.8	53.5	55.8
Beryllium	72	16	140	320	320	MG/KG	1.6	0.34 J	0.21 J	0.28 J
Cadmium	4.3	78	78	38	38	MG/KG	1.2 U	0.2 J	0.47 J	1.1
Calcium	--	--	--	--	--	MG/KG	10700	4770	10400	9060
Chromium III	**180**	120000	--	190000	190000	MG/KG	8.6	12.3	15.4	2 U
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.52 U	0.48 U	0.45 U	0.82
Chromium, Total	**180**	240	--	--	--	MG/KG	8.6	12.3	15.4	20
Cobalt	--	1600	590	59	160	MG/KG	2.8	4.9	4	5
Copper	270	3100	45000	8100	43000	MG/KG	5.8	24.2	57.8	83.9
Cyanide	27	47	680	130	200	MG/KG	0.24 U	0.24 U	0.22 U	0.24 U
Iron	--	--	--	150000	190000	MG/KG	21800	10600	20400	17500
Lead	400	400	800	450	450	MG/KG	8.7	34.2	147	173
Magnesium	--	--	--	--	--	MG/KG	3080	3870	2240	3760
Manganese	2000	11000	5900	2000	2000	MG/KG	665	209	162	256
Mercury	**0.81**	23	65	10	10	MG/KG	0.0054 J	0.13	0.3	0.2
Nickel	310	1600	23000	650	650	MG/KG	3	12.5	13.9	13.9
Potassium	--	--	--	--	--	MG/KG	112 J	1580	895	586
Selenium	180	390	5700	26	26	MG/KG	1.4 U	1.4 U	0.74 J	0.55 J
Silver	180	390	5700	84	84	MG/KG	1.2 U	1.1 U	0.13 J	0.17 J
Sodium	--	--	--	--	--	MG/KG	98.6 J	227	459	178
Thallium	--	5	79	2.2	14	MG/KG	0.46 U	0.076 J	0.11 J	0.1 J
Vanadium	--	78	1100	15	220	MG/KG	14.3	18.3	24.1	20.9
Zinc	10000	23000	110000	12000	12000	MG/KG	33.8	46.4	73.8	204

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-10	WC-10_WC-11	WC-11	WC-12
						Sample Date:	05/11/2021	05/12/2021	05/12/2021	05/13/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	6110	4570	5250	5140
Antimony	--	31	450	27	27	MG/KG	0.27 J	0.26 J	0.76 J	0.31 J
Arsenic	**16**	19	19	12	*29*	MG/KG	3.6	3.4	4.9	3.4
Barium	400	16000	59000	8200	8200	MG/KG	58.2	48.5	64.5	41.4
Beryllium	72	16	140	320	320	MG/KG	0.29 J	0.38 J	0.32 J	0.28 J
Cadmium	4.3	78	78	38	38	MG/KG	0.18 J	0.17 J	0.29 J	0.23 J
Calcium	--	--	--	--	--	MG/KG	22100	26700	9740	5730
Chromium III	**180**	120000	--	190000	190000	MG/KG	24.3	13.3	19.6	14.6
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.2 U	2.3 U	2.1 U	2.2 U
Chromium, Total	**180**	240	--	--	--	MG/KG	24.3	13.3 B	19.6 B	14.6
Cobalt	--	1600	590	59	160	MG/KG	5.8	5	8.6	4.7
Copper	270	3100	45000	8100	43000	MG/KG	43.7	31.5	122	47.9
Cyanide	27	47	680	130	200	MG/KG	0.22 J	0.27	0.25 U	0.26 U
Iron	--	--	--	150000	190000	MG/KG	15000	14600	18700	11600
Lead	400	400	800	450	450	MG/KG	65.2	52.6	122	71.6
Magnesium	--	--	--	--	--	MG/KG	7110	8060	3520	2750
Manganese	2000	11000	5900	2000	2000	MG/KG	235	262	336	218
Mercury	**0.81**	23	65	10	10	MG/KG	0.093	0.083	0.096	0.25
Nickel	310	1600	23000	650	650	MG/KG	14.6	13	18.8	12.7
Potassium	--	--	--	--	--	MG/KG	1330	1020	1110	860
Selenium	180	390	5700	26	26	MG/KG	0.19 J	0.16 J	0.31 J	0.24 J
Silver	180	390	5700	84	84	MG/KG	1 U	1.1 U	0.13 J	1 U
Sodium	--	--	--	--	--	MG/KG	358	216	247	415
Thallium	--	5	79	2.2	14	MG/KG	0.075 J	0.086 J	0.13 J	0.08 J
Vanadium	--	78	1100	15	220	MG/KG	26.6	23.4	24.6	19
Zinc	10000	23000	110000	12000	12000	MG/KG	64.4	57.9	412	67.9

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-12_WC-13	WC-13	WC-14	WC-14_WC-15
						Sample Date:	05/13/2021	05/14/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	5060	5910	5060	5450
Antimony	--	31	450	27	27	MG/KG	1.1 U	0.39 J	0.62 J	0.97 U
Arsenic	**16**	19	19	12	*29*	MG/KG	3.2	3.5	4	1.1
Barium	400	16000	59000	8200	8200	MG/KG	37.5	49.9	60.3	33.4
Beryllium	72	16	140	320	320	MG/KG	0.27 J	0.33 J	0.43	0.28 J
Cadmium	4.3	78	78	38	38	MG/KG	1.1 U	0.16 J	0.49 J	0.97 U
Calcium	--	--	--	--	--	MG/KG	44100	15900	9660	626
Chromium III	**180**	120000	--	190000	190000	MG/KG	12.5	15.1	12.8	10.7
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.2 U	2.2 U	3.7	0.46 U
Chromium, Total	**180**	240	--	--	--	MG/KG	12.5	15.1	16.5	10.7
Cobalt	--	1600	590	59	160	MG/KG	3.9	6.4	5.9	4.2
Copper	270	3100	45000	8100	43000	MG/KG	21.5	93.9	85.2	10.6
Cyanide	27	47	680	130	200	MG/KG	0.23 U	0.24 J	0.44	0.24 U
Iron	--	--	--	150000	190000	MG/KG	12500	14900	21200	9790
Lead	400	400	800	450	450	MG/KG	30.8	85.9	123	3.6
Magnesium	--	--	--	--	--	MG/KG	14400	6950	4190	1690
Manganese	2000	11000	5900	2000	2000	MG/KG	240	316	296	254
Mercury	**0.81**	23	65	10	10	MG/KG	0.04	0.16	0.15	0.011 J
Nickel	310	1600	23000	650	650	MG/KG	11.1	13.7	15.2	9.1
Potassium	--	--	--	--	--	MG/KG	879	1370	896	757
Selenium	180	390	5700	26	26	MG/KG	1.3 U	0.2 J	0.22 J	1.2 U
Silver	180	390	5700	84	84	MG/KG	1.1 U	1.1 U	0.18 J	0.97 U
Sodium	--	--	--	--	--	MG/KG	420	259	205	435
Thallium	--	5	79	2.2	14	MG/KG	0.056 J	0.097 J	0.075 J	0.04 J
Vanadium	--	78	1100	15	220	MG/KG	30.4	22.3	18.3	14.6
Zinc	10000	23000	110000	12000	12000	MG/KG	31.6	64.5	114	18.4

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-15	WC-16	WC-16_WC-17	WC-17	WC-18
						Sample Date:	05/15/2021	05/15/2021	05/16/2021	05/16/2021	05/11/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	8570	6040	5370	5400	6230
Antimony	--	31	450	27	27	MG/KG	0.88 U	0.29 J	0.21 J	0.22 J	0.55 J
Arsenic	**16**	19	19	12	*29*	MG/KG	1.7	3.2	2.6	2.8	5.2
Barium	400	16000	59000	8200	8200	MG/KG	102	49.2	47	53.4	58
Beryllium	72	16	140	320	320	MG/KG	0.42	0.31 J	0.27 J	0.31 J	0.41 J
Cadmium	4.3	78	78	38	38	MG/KG	0.1 J	0.19 J	0.16 J	0.16 J	0.25 J
Calcium	--	--	--	--	--	MG/KG	7010	6800	5560	12000	8820
Chromium III	**180**	120000	--	190000	190000	MG/KG	16.5	29	11.6	12.7	20.8
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.43 U	0.42 J	0.45 U	0.72	2.2 U
Chromium, Total	**180**	240	--	--	--	MG/KG	16.5	29.4	11.6	13.4	20.8
Cobalt	--	1600	590	59	160	MG/KG	8.1	5.5	5.1	5.5	6.2
Copper	270	3100	45000	8100	43000	MG/KG	33	46.4	33.3	42	65.8
Cyanide	27	47	680	130	200	MG/KG	0.26 U	0.24 U	0.26 U	0.25 U	0.24
Iron	--	--	--	150000	190000	MG/KG	17200	17300	11700	13200	18000
Lead	400	400	800	450	450	MG/KG	45.4	58.7	40.7	48.3	183
Magnesium	--	--	--	--	--	MG/KG	4830	3420	3250	6470	3290
Manganese	2000	11000	5900	2000	2000	MG/KG	236	270	304	239	317
Mercury	**0.81**	23	65	10	10	MG/KG	0.037	0.087	0.037	0.047	0.1
Nickel	310	1600	23000	650	650	MG/KG	16.8	81.3	13.7	13.9	29
Potassium	--	--	--	--	--	MG/KG	3600	822	824	1000	1030
Selenium	180	390	5700	26	26	MG/KG	0.16 J	0.22 J	0.14 J	0.18 J	0.3 J
Silver	180	390	5700	84	84	MG/KG	0.88 U	0.89 U	0.93 U	0.83 U	0.093 J
Sodium	--	--	--	--	--	MG/KG	452	182	201	279	234
Thallium	--	5	79	2.2	14	MG/KG	0.19 J	0.071 J	0.068 J	0.093 J	0.1 J
Vanadium	--	78	1100	15	220	MG/KG	24	22.7	23.7	22.8	30.1
Zinc	10000	23000	110000	12000	12000	MG/KG	60.8	68.4	50.1	53.7	93.1

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-18_WC-19	WC-19	WC-2
						Sample Date:	05/17/2021	05/17/2021	05/13/2021	05/20/2021
						Sample Depth (ft bls):	5 - 10	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	5540	4770	5600	8430
Antimony	--	31	450	27	27	MG/KG	0.58 J	0.97 U	0.65 J	0.25 J
Arsenic	**16**	19	19	12	*29*	MG/KG	7.8	5.1	4.2	3.1
Barium	400	16000	59000	8200	8200	MG/KG	54.7	30.4	56.3	91.2
Beryllium	72	16	140	320	320	MG/KG	0.27 J	0.28 J	0.35 J	0.32 J
Cadmium	4.3	78	78	38	38	MG/KG	0.23 J	0.97 U	0.29 J	0.27 J
Calcium	--	--	--	--	--	MG/KG	5770	1360	6360	22500
Chromium III	**180**	120000	--	190000	190000	MG/KG	28.7	12.8	18	2 U
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.61	0.47 J	2.1 U	0.5 U
Chromium, Total	**180**	240	--	--	--	MG/KG	26.3	13.3	18	19.1
Cobalt	--	1600	590	59	160	MG/KG	6.7	4.5	5.9	7.9
Copper	270	3100	45000	8100	43000	MG/KG	58.7	10.5	57.6	41.3
Cyanide	27	47	680	130	200	MG/KG	0.44	0.19 J	0.34	0.26 U
Iron	--	--	--	150000	190000	MG/KG	24000	19600	13900	16400
Lead	400	400	800	450	450	MG/KG	119	7.9	127	67.7
Magnesium	--	--	--	--	--	MG/KG	3140	1820	3260	8340
Manganese	2000	11000	5900	2000	2000	MG/KG	265	273	298	182
Mercury	**0.81**	23	65	10	10	MG/KG	0.17	0.018	0.11	0.14
Nickel	310	1600	23000	650	650	MG/KG	48	9.2	25.3	17.2
Potassium	--	--	--	--	--	MG/KG	1360	653	1060	4020
Selenium	180	390	5700	26	26	MG/KG	0.51 J	1.2 U	0.28 J	0.24 J
Silver	180	390	5700	84	84	MG/KG	0.095 J	0.97 U	0.15 J	1.1 U
Sodium	--	--	--	--	--	MG/KG	187	142	254	559
Thallium	--	5	79	2.2	14	MG/KG	0.12 J	0.068 J	0.1 J	0.19 J
Vanadium	--	78	1100	15	220	MG/KG	28.3	16.9	24	27.4
Zinc	10000	23000	110000	12000	12000	MG/KG	70.8	22.4	76.1	89.8

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-20	WC-21	WC-21_WC-22
						Sample Date:	05/13/2021	05/20/2021	05/20/2021	06/05/2021	06/07/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	5570	5520	4890	6520	4440
Antimony	--	31	450	27	27	MG/KG	0.52 J	0.33 J	1 U	2.4	1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	3.3	***183***	1.4	7.2	1.5
Barium	400	16000	59000	8200	8200	MG/KG	47.9	38.2	52.5	88.5	25
Beryllium	72	16	140	320	320	MG/KG	0.28 J	0.31 J	0.34 J	0.41 J	0.29 J
Cadmium	4.3	78	78	38	38	MG/KG	0.2 J	0.66 J	1 U	1.4	0.11 J
Calcium	--	--	--	--	--	MG/KG	8980	61600	1700	10100	1240
Chromium III	**180**	120000	--	190000	190000	MG/KG	14.3	2 U	2 U	21	10.8
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.1 U	0.44 J	0.47 U	0.47 U	0.45 U
Chromium, Total	**180**	240	--	--	--	MG/KG	14.3	11.2	13.9	21	10.8
Cobalt	--	1600	590	59	160	MG/KG	5.4	4.7	5.3	7.6	4.2
Copper	270	3100	45000	8100	43000	MG/KG	48.8	28.7	14.8	116	14.8
Cyanide	27	47	680	130	200	MG/KG	0.21 J	0.27 U	0.26 U	0.25 U	0.23 U
Iron	--	--	--	150000	190000	MG/KG	11900	10900	11200	25400	13800
Lead	400	400	800	450	450	MG/KG	85.6	45.9	8.4	306	10.2
Magnesium	--	--	--	--	--	MG/KG	2830	17800	2470	4000	1720
Manganese	2000	11000	5900	2000	2000	MG/KG	258	251	241	222	286
Mercury	**0.81**	23	65	10	10	MG/KG	0.11	0.21	0.017 U	0.22	0.015 J
Nickel	310	1600	23000	650	650	MG/KG	37.7	17.6	13.3	17.5	9.6
Potassium	--	--	--	--	--	MG/KG	907	954	1620	1160	754
Selenium	180	390	5700	26	26	MG/KG	0.18 J	0.41 J	1.3 U	0.5 J	1.3 U
Silver	180	390	5700	84	84	MG/KG	0.12 J	1 U	1 U	0.26 J	1 U
Sodium	--	--	--	--	--	MG/KG	296	425	119	1610	760
Thallium	--	5	79	2.2	14	MG/KG	0.081 J	1.6	0.095 J	0.13 J	0.052 J
Vanadium	--	78	1100	15	220	MG/KG	24.8	43.7	26.9	37.6	14.6
Zinc	10000	23000	110000	12000	12000	MG/KG	61.6	104	39.5	142	24.7

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21_WC-22	WC-22	WC-23	WC-23_WC-24
						Sample Date:	06/07/2021	06/07/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	3270	4310	7820	5930
Antimony	--	31	450	27	27	MG/KG	1.1 U	0.82 J	0.16 J	1.1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	1 J	7.2	8	1.3
Barium	400	16000	59000	8200	8200	MG/KG	98.9	43.5	73	48.4
Beryllium	72	16	140	320	320	MG/KG	0.2 J	0.32 J	0.47	0.32 J
Cadmium	4.3	78	78	38	38	MG/KG	1.1 U	0.5 J	0.14 J	1.1 U
Calcium	--	--	--	--	--	MG/KG	3410	5590	14300	3810
Chromium III	**180**	120000	--	190000	190000	MG/KG	7.4	13.8	17.3	12.6
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.48 U	0.26 J	1.1	0.48 U
Chromium, Total	**180**	240	--	--	--	MG/KG	7.4	14.1	18.4	12.6
Cobalt	--	1600	590	59	160	MG/KG	3.3	5.5	5.6	4.8
Copper	270	3100	45000	8100	43000	MG/KG	8.8	84.7	32.6	10.8
Cyanide	27	47	680	130	200	MG/KG	0.24 U	0.22 U	0.12 J	0.23 U
Iron	--	--	--	150000	190000	MG/KG	7450	22500	16800	10800
Lead	400	400	800	450	450	MG/KG	3	241	107	8.8
Magnesium	--	--	--	--	--	MG/KG	3120	2650	3140	3970
Manganese	2000	11000	5900	2000	2000	MG/KG	933	208	273	261
Mercury	**0.81**	23	65	10	10	MG/KG	0.0066 J	0.16	0.12	0.019 U
Nickel	310	1600	23000	650	650	MG/KG	9.5	13.5	12.5	10.9
Potassium	--	--	--	--	--	MG/KG	679	655	880	1240
Selenium	180	390	5700	26	26	MG/KG	1.4 U	0.35 J	0.48 J	1.3 U
Silver	180	390	5700	84	84	MG/KG	1.1 U	0.13 J	1 U	1.1 U
Sodium	--	--	--	--	--	MG/KG	293	1380	463	239
Thallium	--	5	79	2.2	14	MG/KG	0.45 U	0.087 J	0.12 J	0.061 J
Vanadium	--	78	1100	15	220	MG/KG	11.3	21	23.3	16
Zinc	10000	23000	110000	12000	12000	MG/KG	18.5	150	57.1	24.6

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-24	WC-25	WC-26
						Sample Date:	06/03/2021	06/02/2021	06/07/2021	06/04/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Aluminum	--	78000	--	190000	190000	MG/KG	4720	8540	4480	7070
Antimony	--	31	450	27	27	MG/KG	1.1 U	0.58 J	1.5	0.26 J
Arsenic	**16**	19	19	12	*29*	MG/KG	1.3	5.2	6.6	2.8
Barium	400	16000	59000	8200	8200	MG/KG	67.8	72.9	49.7	34.7
Beryllium	72	16	140	320	320	MG/KG	0.27 J	0.46	0.29 J	0.38 J
Cadmium	4.3	78	78	38	38	MG/KG	1.1 U	0.44 J	0.85 J	0.18 J
Calcium	--	--	--	--	--	MG/KG	5750	3830	8620	2100
Chromium III	**180**	120000	--	190000	190000	MG/KG	9.9	22.8	15.5	15.7
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.26 J	0.95	0.83	0.47 U
Chromium, Total	**180**	240	--	--	--	MG/KG	10.2	23.7	16.3	15.7
Cobalt	--	1600	590	59	160	MG/KG	4.2	7.7	5.9	6.3
Copper	270	3100	45000	8100	43000	MG/KG	12.1	77	104	29.4
Cyanide	27	47	680	130	200	MG/KG	0.23 U	0.29	0.26 U	0.33
Iron	--	--	--	150000	190000	MG/KG	10400	22200	19800	16400
Lead	400	400	800	450	450	MG/KG	3.3	95.2	183	48.5
Magnesium	--	--	--	--	--	MG/KG	4190	2790	4160	2570
Manganese	2000	11000	5900	2000	2000	MG/KG	407	488	233	347
Mercury	**0.81**	23	65	10	10	MG/KG	0.019 U	0.038	0.2	0.049
Nickel	310	1600	23000	650	650	MG/KG	10.2	19.3	15.7	15.6
Potassium	--	--	--	--	--	MG/KG	1020	1070 B	799	1140
Selenium	180	390	5700	26	26	MG/KG	1.4 U	0.44 J	0.36 J	0.2 J
Silver	180	390	5700	84	84	MG/KG	1.1 U	1.1 U	0.17 J	1 U
Sodium	--	--	--	--	--	MG/KG	227	442	597	676
Thallium	--	5	79	2.2	14	MG/KG	0.45 U	0.19 J	0.11 J	0.069 J
Vanadium	--	78	1100	15	220	MG/KG	14.5	33.1	22.8	21.6
Zinc	10000	23000	110000	12000	12000	MG/KG	24.7	102	91.1	53.4

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-27	WC-28	WC-29	WC-3	WC-30
						Sample Date:	05/17/2021	05/18/2021	05/18/2021	05/04/2021	05/17/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	4270	5980	4810	7240	4870
Antimony	--	31	450	27	27	MG/KG	0.62 J	0.49 J	1.7	0.18 J	0.5 J
Arsenic	**16**	19	19	12	*29*	MG/KG	8	3.2	**21.4**	3.1	12.3
Barium	400	16000	59000	8200	8200	MG/KG	41.7	49.6	67.3	68.1	55.3
Beryllium	72	16	140	320	320	MG/KG	0.49	0.29 J	0.33 J	0.35 J	0.28 J
Cadmium	4.3	78	78	38	38	MG/KG	0.32 J	0.22 J	0.6 J	0.16 J	0.41 J
Calcium	--	--	--	--	--	MG/KG	9330	11500	11400	24200	24500
Chromium III	**180**	120000	--	190000	190000	MG/KG	12.3	2 U	2 U	16.8	12.9
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.42 U	0.46	1.2	2.2 U	0.52
Chromium, Total	**180**	240	--	--	--	MG/KG	12.2	16.9	17	16.8	13.4
Cobalt	--	1600	590	59	160	MG/KG	4.1	7	5.9	6.1	4.4
Copper	270	3100	45000	8100	43000	MG/KG	40.1	56	105	32.8	44.2
Cyanide	27	47	680	130	200	MG/KG	0.22 J	0.25 U	0.24 U	0.27 U	0.28 U
Iron	--	--	--	150000	190000	MG/KG	18000	13700	20800	15100	13600
Lead	400	400	800	450	450	MG/KG	81.9	99.1	248	60.1	70.1
Magnesium	--	--	--	--	--	MG/KG	4530	4170	3720	9140	3940
Manganese	2000	11000	5900	2000	2000	MG/KG	241	233	253	241	284
Mercury	**0.81**	23	65	10	10	MG/KG	0.085	0.11	0.3	**2.2**	0.17
Nickel	310	1600	23000	650	650	MG/KG	10	19.6	20.1	14.9	13.2
Potassium	--	--	--	--	--	MG/KG	923	977	813	1880	747
Selenium	180	390	5700	26	26	MG/KG	0.56 J	0.24 J	0.5 J	0.23 J	0.24 J
Silver	180	390	5700	84	84	MG/KG	0.083 J	0.099 J	0.16 J	1.1 U	0.14 J
Sodium	--	--	--	--	--	MG/KG	609	300	560	340	826
Thallium	--	5	79	2.2	14	MG/KG	0.098 J	0.074 J	0.25 J	0.13 J	1.4
Vanadium	--	78	1100	15	220	MG/KG	19.1	26.8	26.6	27.3	29.4
Zinc	10000	23000	110000	12000	12000	MG/KG	60	77.2	119	70.9	64.7

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-4	WC-5	WC-6	WC-6_WC-7	WC-7
						Sample Date:	05/04/2021	05/05/2021	05/05/2021	05/06/2021	05/06/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	13600	8020	6200	17300	14700
Antimony	--	31	450	27	27	MG/KG	0.23 J	0.43 J	0.26 J	0.22 J	0.17 J
Arsenic	**16**	19	19	12	*29*	MG/KG	1.3	3	3.3	2.9	1.6
Barium	400	16000	59000	8200	8200	MG/KG	132	91.5	67.8	348	158
Beryllium	72	16	140	320	320	MG/KG	0.31 J	0.33 J	0.29 J	0.46 J	0.32 J
Cadmium	4.3	78	78	38	38	MG/KG	0.14 J	0.2 J	0.18 J	0.39 J	1.1 U
Calcium	--	--	--	--	--	MG/KG	10300	49500	57600	29500	13700
Chromium III	**180**	120000	--	190000	190000	MG/KG	25.6	20.5	16.9	28.7	**302**
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.3 U	2.3 U	2.3 U	3.1 U	2.3 U
Chromium, Total	**180**	240	--	--	--	MG/KG	25.6	20.5	16.9	28.7	**302**
Cobalt	--	1600	590	59	160	MG/KG	14.8	7.8	4.5	13.7	16.5
Copper	270	3100	45000	8100	43000	MG/KG	43.2	47.1	28.6	40.1	47.1
Cyanide	27	47	680	130	200	MG/KG	0.28 U	0.27 U	0.26 U	0.2 J	0.25 U
Iron	--	--	--	150000	190000	MG/KG	23500	16300	11900	22800	24600
Lead	400	400	800	450	450	MG/KG	25.5	60.6	63.5	162	27.7
Magnesium	--	--	--	--	--	MG/KG	10100	26200	6460	11300	11200
Manganese	2000	11000	5900	2000	2000	MG/KG	220	261	209	297	282
Mercury	**0.81**	23	65	10	10	MG/KG	**1.1**	0.25	**3.7**	**0.84**	0.16
Nickel	310	1600	23000	650	650	MG/KG	31.1	18.9	12.6	34.1	151
Potassium	--	--	--	--	--	MG/KG	8060	3540	1350	8210	8490
Selenium	180	390	5700	26	26	MG/KG	0.23 J	0.24 J	0.13 J	0.22 J	0.23 J
Silver	180	390	5700	84	84	MG/KG	1.1 U	0.11 J	1.1 U	1.5 U	1.1 U
Sodium	--	--	--	--	--	MG/KG	373	326	211	928	487
Thallium	--	5	79	2.2	14	MG/KG	0.37 J	0.18 J	0.091 J	0.29 J	0.4 J
Vanadium	--	78	1100	15	220	MG/KG	37.8	27.3	20.3	40.9	42.2
Zinc	10000	23000	110000	12000	12000	MG/KG	92.6	81.5	68.7	245	89.9

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-8	WC-8_WC-9	WC-9	WCR-1	WCR-10
						Sample Date:	05/06/2021	05/10/2021	05/10/2021	05/23/2021	05/28/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	11400	6880	6310	4880	6390
Antimony	--	31	450	27	27	MG/KG	1.1 U	0.3 J	0.34 J	1.1 U	0.2 J
Arsenic	**16**	19	19	12	*29*	MG/KG	1.6	**19.2**	3.2	1.6	2.9
Barium	400	16000	59000	8200	8200	MG/KG	120	72.5	67.6	30.6	51.1
Beryllium	72	16	140	320	320	MG/KG	0.25 J	0.34 J	0.43 J	0.24 J	0.31 J
Cadmium	4.3	78	78	38	38	MG/KG	0.14 J	0.24 J	0.24 J	1.1 U	0.85 J
Calcium	--	--	--	--	--	MG/KG	21800	65500	22200	3560	33900
Chromium III	**180**	120000	--	190000	190000	MG/KG	21.2	24.8	18.5	2 U	15.9
Chromium, Hexavalent	110	240	--	4	190	MG/KG	2.4 U	2.4 U	2.3 U	0.49 U	0.46 U
Chromium, Total	**180**	240	--	--	--	MG/KG	21.2	24.8	18.5	11.1	15.9
Cobalt	--	1600	590	59	160	MG/KG	11.8	5.4	6.9	4.1	5.7
Copper	270	3100	45000	8100	43000	MG/KG	33.9	36.9	58.7	17	34.4
Cyanide	27	47	680	130	200	MG/KG	0.26 U	0.25 U	0.25 J	0.23 U	0.18 J
Iron	--	--	--	150000	190000	MG/KG	19500	14300	15200	10400	12100
Lead	400	400	800	450	450	MG/KG	54.4	114	82.7	43.1	109
Magnesium	--	--	--	--	--	MG/KG	11700	14900	7110	3520	10100
Manganese	2000	11000	5900	2000	2000	MG/KG	233	210	219	277	211
Mercury	**0.81**	23	65	10	10	MG/KG	0.042	0.11	0.12	0.74	0.073
Nickel	310	1600	23000	650	650	MG/KG	24.8	14.8	17	9.8	14.7
Potassium	--	--	--	--	--	MG/KG	6620	1990	1800	683	1100
Selenium	180	390	5700	26	26	MG/KG	0.16 J	0.21 J	0.19 J	1.4 U	0.13 J
Silver	180	390	5700	84	84	MG/KG	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U
Sodium	--	--	--	--	--	MG/KG	326	257	408	259	320
Thallium	--	5	79	2.2	14	MG/KG	0.27 J	0.091 J	0.1 J	0.091 J	0.088 J
Vanadium	--	78	1100	15	220	MG/KG	34.4	30	32.4	17.6	24.2
Zinc	10000	23000	110000	12000	12000	MG/KG	83.1	78.4	219	27.8	195

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	WCR-11	WCR-12	WCR-13	WCR-14	WCR-15
Sample Designation:							WCR-11	WCR-12	WCR-13	WCR-14	WCR-15
Sample Date:							05/28/2021	05/28/2021	06/01/2021	06/01/2021	06/02/2021
Sample Depth (ft bls):							0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Aluminum	--	78000	--	190000	190000	MG/KG	9330	6270	7950	5590	6180
Antimony	--	31	450	27	27	MG/KG	1 U	1.1 U	1.1 U	1 U	1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	2.8	2	2.8	1.7	1.6
Barium	400	16000	59000	8200	8200	MG/KG	49.2	31.6	51.8	39	43.2
Beryllium	72	16	140	320	320	MG/KG	0.57	0.34 J	0.43	0.31 J	0.33 J
Cadmium	4.3	78	78	38	38	MG/KG	0.18 J	0.2 J	0.12 J	1 U	1 U
Calcium	--	--	--	--	--	MG/KG	4860	1580	1170	3160	1360
Chromium III	**180**	120000	--	190000	190000	MG/KG	16	12.7	19	13.2	12.9
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.65	0.44 U	0.66	0.19 J	0.45 U
Chromium, Total	**180**	240	--	--	--	MG/KG	16.6	12.7	19.6	13.4	12.9
Cobalt	--	1600	590	59	160	MG/KG	7.1	4.7	7.2	5.5	5
Copper	270	3100	45000	8100	43000	MG/KG	27.7	14	23.1	21	17.2
Cyanide	27	47	680	130	200	MG/KG	0.26 U	0.25 U	0.26 U	0.22 U	0.25 U
Iron	--	--	--	150000	190000	MG/KG	14900	11200	19900	11700	11300
Lead	400	400	800	450	450	MG/KG	74.8	11.5	13.8	19.7	12.7
Magnesium	--	--	--	--	--	MG/KG	2800	2560	2610	2850	2220
Manganese	2000	11000	5900	2000	2000	MG/KG	363	246	381	260	292
Mercury	**0.81**	23	65	10	10	MG/KG	0.031	0.018	0.022	0.026	0.016 J
Nickel	310	1600	23000	650	650	MG/KG	13.7	11.1	14.1	11.5	11.3
Potassium	--	--	--	--	--	MG/KG	841	775	1210	940	872 B
Selenium	180	390	5700	26	26	MG/KG	0.26 J	1.3 U	0.14 J	1.3 U	1.3 U
Silver	180	390	5700	84	84	MG/KG	1 U	1.1 U	1.1 U	1 U	1 U
Sodium	--	--	--	--	--	MG/KG	249	323	466	408	527
Thallium	--	5	79	2.2	14	MG/KG	0.11 J	0.076 J	0.13 J	0.063 J	0.07 J
Vanadium	--	78	1100	15	220	MG/KG	25.6	17.1	28.8	17.4	16.7
Zinc	10000	23000	110000	12000	12000	MG/KG	63.2	30.2	39.9	34.9	25

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16	WCR-17	WCR-2	WCR-3	WCR-4
						Sample Date:	06/04/2021	06/04/2021	05/23/2021	05/23/2021	05/23/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	5740	7080	5760	4840	7560
Antimony	--	31	450	27	27	MG/KG	1.7	0.44 J	0.22 J	1 U	1.1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	13.9	6.6	3.2	1.5	2.1
Barium	400	16000	59000	8200	8200	MG/KG	76.7	61.2	46.1	30.5	56.8
Beryllium	72	16	140	320	320	MG/KG	0.31 J	0.35 J	0.28 J	0.23 J	0.36 J
Cadmium	4.3	78	78	38	38	MG/KG	0.51 J	0.18 J	0.12 J	1 U	1.1 U
Calcium	--	--	--	--	--	MG/KG	5040	17800	3740	2440	1940
Chromium III	**180**	120000	--	190000	190000	MG/KG	12.9	16.2	2 U	2 U	2 U
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.45 U	0.75	0.45 U	0.45 U	0.51 U
Chromium, Total	**180**	240	--	--	--	MG/KG	12.9	16.9	13.3	9.3	15.1
Cobalt	--	1600	590	59	160	MG/KG	5.5	8.3	5.1	4.3	6.1
Copper	270	3100	45000	8100	43000	MG/KG	71.4	37.4	30.6	19.5	24.5
Cyanide	27	47	680	130	200	MG/KG	0.18 J	0.25 U	0.21 U	0.23 U	0.25 U
Iron	--	--	--	150000	190000	MG/KG	17900	19800	12600	9730	13500
Lead	400	400	800	450	450	MG/KG	319	76.1	117	27.4	54.4
Magnesium	--	--	--	--	--	MG/KG	2320	2720	3190	1820	2530
Manganese	2000	11000	5900	2000	2000	MG/KG	331	393	267	264	343
Mercury	**0.81**	23	65	10	10	MG/KG	0.12	0.12	0.16	0.33	0.05
Nickel	310	1600	23000	650	650	MG/KG	13.5	12.4	11.6	8.8	11.9
Potassium	--	--	--	--	--	MG/KG	913	869	740	678	1090
Selenium	180	390	5700	26	26	MG/KG	0.54 J	0.28 J	0.18 J	1.3 U	0.17 J
Silver	180	390	5700	84	84	MG/KG	0.16 J	1.1 U	1 U	1 U	1.1 U
Sodium	--	--	--	--	--	MG/KG	869	298	196	306	623
Thallium	--	5	79	2.2	14	MG/KG	0.26 J	0.066 J	0.082 J	0.063 J	0.1 J
Vanadium	--	78	1100	15	220	MG/KG	22.4	22.5	19.4	13.5	20.4
Zinc	10000	23000	110000	12000	12000	MG/KG	310	74.8	62	23	42.5

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-5	WCR-6	WCR-7	WCR-8	WCR-9
						Sample Date:	05/26/2021	05/26/2021	05/26/2021	05/27/2021	05/27/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	4710	4470	4780	4110	4770
Antimony	--	31	450	27	27	MG/KG	0.19 J	1.1 U	0.98 U	1 U	0.17 J
Arsenic	**16**	19	19	12	*29*	MG/KG	2.7	1.1	1.3	1.5	3.4
Barium	400	16000	59000	8200	8200	MG/KG	36.1	31.2	33.3	31.5	40.7
Beryllium	72	16	140	320	320	MG/KG	0.26 J	0.22 J	0.26 J	0.25 J	0.23 J
Cadmium	4.3	78	78	38	38	MG/KG	0.12 J	1.1 U	0.98 U	1 U	0.13 J
Calcium	--	--	--	--	--	MG/KG	2920	1520	1830	1980	23800
Chromium III	**180**	120000	--	190000	190000	MG/KG	12.4	10	11.2	8.8	10.7
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.7	0.42 U	0.44 U	0.48 U	0.48 U
Chromium, Total	**180**	240	--	--	--	MG/KG	13.1	10	11.2	8.8	10.7
Cobalt	--	1600	590	59	160	MG/KG	5.2	3.6	4.2	3.7	4.2
Copper	270	3100	45000	8100	43000	MG/KG	43.9	13.1	20.9	63.9	17.4
Cyanide	27	47	680	130	200	MG/KG	0.23 U	0.2 J	0.24 U	2.2	0.25 U
Iron	--	--	--	150000	190000	MG/KG	10300	8640	9350	8850	9350
Lead	400	400	800	450	450	MG/KG	84.4	16.4	81.1	28.4	40.6
Magnesium	--	--	--	--	--	MG/KG	1950	2040	2200	2030	6610
Manganese	2000	11000	5900	2000	2000	MG/KG	267	239	216	225	177
Mercury	**0.81**	23	65	10	10	MG/KG	0.47	0.044	0.11	0.095	0.038
Nickel	310	1600	23000	650	650	MG/KG	11.2	7.9	9.6	7.8	11.1
Potassium	--	--	--	--	--	MG/KG	773	673	980	737	779
Selenium	180	390	5700	26	26	MG/KG	0.19 J	1.3 U	1.2 U	1.3 U	1.3 U
Silver	180	390	5700	84	84	MG/KG	0.98 U	1.1 U	0.98 U	1 U	1.1 U
Sodium	--	--	--	--	--	MG/KG	239	268	282	195	276
Thallium	--	5	79	2.2	14	MG/KG	0.08 J	0.055 J	0.076 J	0.073 J	0.069 J
Vanadium	--	78	1100	15	220	MG/KG	16.8	13.8	15.6	14	21.5
Zinc	10000	23000	110000	12000	12000	MG/KG	69.9	24.2	31.8	29.7	43

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-1	WL-2	WL-3	WL-4	WL-5
						Sample Date:	06/08/2021	06/08/2021	06/09/2021	06/09/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units					
Aluminum	--	78000	--	190000	190000	MG/KG	3470	4720	5250	3380	3390
Antimony	--	31	450	27	27	MG/KG	1.3	0.19 J	0.43 J	0.34 J	1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	1.2	4.2	2.8	4.4	0.99 J
Barium	400	16000	59000	8200	8200	MG/KG	33.7	36.9	21.6	44.1	17.8
Beryllium	72	16	140	320	320	MG/KG	0.2 J	0.56	0.72	0.23 J	0.25 J
Cadmium	4.3	78	78	38	38	MG/KG	1.1 U	0.16 J	0.16 J	0.18 J	0.25 J
Calcium	--	--	--	--	--	MG/KG	1240	2970	5340	9520	981
Chromium III	**180**	120000	--	190000	190000	MG/KG	7.8	11.6	8.1	7.8	12.1
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.46 U	0.49 U	0.47 U	0.48 U	0.47 U
Chromium, Total	**180**	240	--	--	--	MG/KG	7.8	11.6	8.1	7.8	12.1
Cobalt	--	1600	590	59	160	MG/KG	4.6	4.9	4.9	3.3	3.2
Copper	270	3100	45000	8100	43000	MG/KG	18.3	91.6	24.9	26.6	11.4
Cyanide	27	47	680	130	200	MG/KG	0.26 U	0.25 U	0.23 U	0.24 U	0.26 U
Iron	--	--	--	150000	190000	MG/KG	7480	13200	19500	8400	9610
Lead	400	400	800	450	450	MG/KG	6	58	21.3	26	2.7
Magnesium	--	--	--	--	--	MG/KG	1690	2450	2970	1880	1660
Manganese	2000	11000	5900	2000	2000	MG/KG	215	193	379	191	125
Mercury	**0.81**	23	65	10	10	MG/KG	0.017 U	0.097	0.13	0.021	0.012 J
Nickel	310	1600	23000	650	650	MG/KG	9.6	9.9	7.1	7.6	9.8
Potassium	--	--	--	--	--	MG/KG	611	632	454	552	464
Selenium	180	390	5700	26	26	MG/KG	0.69 J	0.19 J	1.3 U	0.17 J	1.3 U
Silver	180	390	5700	84	84	MG/KG	1.1 U	1.1 U	1.1 U	1 U	1 U
Sodium	--	--	--	--	--	MG/KG	191	450	238	388	309
Thallium	--	5	79	2.2	14	MG/KG	0.44 U	0.43 U	0.43 U	0.045 J	0.41 U
Vanadium	--	78	1100	15	220	MG/KG	16.6	23.3	22.3	11	15.4
Zinc	10000	23000	110000	12000	12000	MG/KG	31.6	46.7	47.7	25.4	29.6

Table 4. Summary of Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

					Sample Designation:		WL-6
					Sample Date:		06/10/2021
					Sample Depth (ft bls):		0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	
Aluminum	--	78000	--	190000	190000	MG/KG	4100
Antimony	--	31	450	27	27	MG/KG	1 U
Arsenic	**16**	19	19	12	*29*	MG/KG	1.2
Barium	400	16000	59000	8200	8200	MG/KG	21
Beryllium	72	16	140	320	320	MG/KG	0.23 J
Cadmium	4.3	78	78	38	38	MG/KG	0.15 J
Calcium	--	--	--	--	--	MG/KG	961
Chromium III	**180**	120000	--	190000	190000	MG/KG	11.4
Chromium, Hexavalent	110	240	--	4	190	MG/KG	0.48 U
Chromium, Total	**180**	240	--	--	--	MG/KG	11.4
Cobalt	--	1600	590	59	160	MG/KG	3.4
Copper	270	3100	45000	8100	43000	MG/KG	21.1
Cyanide	27	47	680	130	200	MG/KG	0.23 U
Iron	--	--	--	150000	190000	MG/KG	9350
Lead	400	400	800	450	450	MG/KG	6.3
Magnesium	--	--	--	--	--	MG/KG	1420
Manganese	2000	11000	5900	2000	2000	MG/KG	188
Mercury	**0.81**	23	65	10	10	MG/KG	0.058
Nickel	310	1600	23000	650	650	MG/KG	7.6
Potassium	--	--	--	--	--	MG/KG	427
Selenium	180	390	5700	26	26	MG/KG	1.3 U
Silver	180	390	5700	84	84	MG/KG	1 U
Sodium	--	--	--	--	--	MG/KG	219
Thallium	--	5	79	2.2	14	MG/KG	0.42 U
Vanadium	--	78	1100	15	220	MG/KG	22.1
Zinc	10000	23000	110000	12000	12000	MG/KG	23

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.3	0.073 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.071 U	0.89	0.13
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.071 U	0.073 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.071 U	0.073 U	0.076 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.3	0.89	0.13

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_12_13	SP-3_WC-14	SP-4_WC-14_15
						Sample Date:	06/08/2021	06/07/2021	06/08/2021
						Sample Depth (ft bls):	-	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.19	0.081 U	0.84
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.076 U	0.081 U	0.074 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.076 U	0.081 U	0.074 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.19	0.081 U	0.84

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-5_WC-16-17	WC-1	WC-10	WC-10_WC-11
						Sample Date:	06/08/2021	05/20/2021	05/11/2021	05/12/2021
						Sample Depth (ft bls):	-	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	7.5	0.37	0.074 U	0.079 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.7 U	0.071 U	0.074 U	0.079 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	**7.5**	0.37	0.074 U	0.079 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-11	WC-12	WC-12_WC-13	WC-13
						Sample Date:	05/12/2021	05/13/2021	05/13/2021	05/14/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.074	0.078	0.073 U	0.062 J
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.072 U	0.075 U	0.073 U	0.075 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.074	0.078	0.073 U	0.062 J

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-14	WC-14_WC-15	WC-15	WC-16
						Sample Date:	05/15/2021	05/15/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.94	0.058 J	0.072 U	0.074 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.075 U	0.071 U	0.072 U	0.074 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.94	0.058 J	0.072 U	0.074 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-16_WC-17	WC-17	WC-18	WC-18_WC-19
						Sample Date:	05/16/2021	05/16/2021	05/11/2021	05/17/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.15	0.071 U	0.066 J	0.12
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.072 U	0.071 U	0.075 U	0.072 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.15	0.071 U	0.066 J	0.12

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-19	WC-2	WC-20
						Sample Date:	05/17/2021	05/13/2021	05/20/2021	05/13/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.077 U	0.22	0.14	0.11
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.077 U	0.071 U	0.079 U	0.072 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.077 U	0.22	0.14	0.11

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-21	WC-21_WC-22
						Sample Date:	05/20/2021	05/20/2021	06/05/2021	06/07/2021
						Sample Depth (ft bls):	5 - 10	10 - 18	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.11	0.075 U	*79*	0.13
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.076 U	0.075 U	7.3 U	0.072 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.11	0.075 U	**79**	0.13

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21_WC-22	WC-22	WC-23
						Sample Date:	06/07/2021	06/07/2021	06/03/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.079 U	3.1	0.076 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.079 U	0.35 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.079 U	0.35 U	0.076 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.079 U	**3.1**	0.076 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-23_WC-24	WC-24
						Sample Date:	06/03/2021	06/03/2021	06/02/2021
						Sample Depth (ft bls):	5 - 10	10 - 18	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.076 U	0.078 U	2.4
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.076 U	0.078 U	0.16 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.076 U	0.078 U	0.16 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.076 U	0.078 U	**2.4**

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-25	WC-26	WC-27	WC-28
						Sample Date:	06/07/2021	06/04/2021	05/17/2021	05/18/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.37 U	0.15 U	1.5	0.071 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	3.5	1.5	0.14 U	0.19
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.37 U	0.15 U	0.14 U	0.071 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	**3.5**	**1.5**	**1.5**	0.19

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-29	WC-3	WC-30	WC-4
						Sample Date:	05/18/2021	05/04/2021	05/17/2021	05/04/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	1.7	0.23	2.4	0.079 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.14 U	0.074 U	0.16 U	0.079 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	**1.7**	0.23	**2.4**	0.079 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-5	WC-6	WC-6_WC-7	WC-7
							Sample Date: 05/05/2021	05/05/2021	05/06/2021	05/06/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	5 - 10	0 - 5
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.23	0.089	0.1 U	0.37
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.077 U	0.077 U	0.1 U	0.077 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.23	0.089	0.1 U	0.37

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-8	WC-8_WC-9	WC-9	WCR-1
						Sample Date:	05/06/2021	05/10/2021	05/10/2021	05/23/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.078 U	0.078 U	0.063 J	0.076 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.078 U	0.078 U	0.077 U	0.076 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.078 U	0.078 U	0.063 J	0.076 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-10	WCR-11	WCR-12	WCR-13
						Sample Date:	05/28/2021	05/28/2021	05/28/2021	06/01/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-14	WCR-15	WCR-16	WCR-17
						Sample Date:	06/01/2021	06/02/2021	06/04/2021	06/04/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.073 U	0.072 U	0.31	0.74
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.073 U	0.072 U	0.31	0.74

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-2	WCR-3	WCR-4	WCR-5
						Sample Date:	05/23/2021	05/23/2021	05/23/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-6	WCR-7	WCR-8	WCR-9
						Sample Date:	05/26/2021	05/26/2021	05/27/2021	05/27/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-1	WL-2	WL-3	WL-4
						Sample Date:	06/08/2021	06/08/2021	06/09/2021	06/09/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.076 U	0.077 U	0.074 U	0.63
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.17	0.5	0.38	0.16
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.17	0.5	0.38	0.79

Table 5. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-5	WL-6
						Sample Date:	06/10/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
PCB-1016 (Aroclor 1016)	--	--	--	9	46	MG/KG	0.074 U	0.074 U
PCB-1221 (Aroclor 1221)	--	--	--	0.18	0.83	MG/KG	0.074 U	0.074 U
PCB-1232 (Aroclor 1232)	--	--	--	0.14	0.7	MG/KG	0.074 U	0.074 U
PCB-1242 (Aroclor 1242)	--	--	--	4	20	MG/KG	0.074 U	0.074 U
PCB-1248 (Aroclor 1248)	--	--	--	9.3	46	MG/KG	0.074 U	0.074 U
PCB-1254 (Aroclor 1254)	--	--	--	4.4	46	MG/KG	0.074 U	0.074 U
PCB-1260 (Aroclor 1260)	--	--	--	9	*46*	MG/KG	0.074 U	0.074 U
PCB-1262 (Aroclor 1262)	--	--	--	--	--	MG/KG	0.074 U	0.074 U
PCB-1268 (Aroclor 1268)	--	--	--	--	--	MG/KG	0.074 U	0.074 U
Polychlorinated Biphenyl (PCBs)	**1**	0.2	1	--	--	MG/KG	0.074 U	0.074 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.035 U	0.037 U	0.038 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.035 U	0.037 U	0.038 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0071 U	0.0073 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0021 U	0.0022 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0071 U	0.0073 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0021 U	0.0022 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0071 U	0.0073 U	0.0076 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0021 U	0.0022 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0021 U	0.0022 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0071 U	0.0073 U	0.0076 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0071 U	0.0073 U	0.0076 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0071 U	0.0073 U	0.0076 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0071 U	0.0073 U	0.0076 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0021 U	0.0022 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0071 U	0.0073 U	0.0076 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0071 U	0.0073 U	0.0076 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0071 U	0.0073 U	0.0076 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0071 U	0.0073 U	0.0076 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0071 U	0.0073 U	0.0076 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0071 U	0.0073 U	0.0095
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.035 U	0.037 U	0.038 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.071 U	0.073 U	0.076 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_12_13	SP-3_WC-14
						Sample Date:	06/08/2021	06/07/2021
						Sample Depth (ft bls):	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.038 U	0.04 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.038 U	0.04 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0076 U	0.0081 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0023 U	0.0024 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0076 U	0.0081 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0023 U	0.0024 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0076 U	0.0081 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0023 U	0.0024 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0023 U	0.0024 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0076 U	0.0081 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0076 U	0.0081 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0076 U	0.0081 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0076 U	0.0081 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0023 U	0.0024 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0076 U	0.0081 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0076 U	0.0081 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0076 U	0.0081 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0076 U	0.0081 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0076 U	0.0081 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0076 U	0.0081 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.038 U	0.04 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.076 U	0.081 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-4_WC-14_15	SP-5_WC-16-17	WC-1
						Sample Date:	06/08/2021	06/08/2021	05/20/2021
						Sample Depth (ft bls):	-	-	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.035 U	0.035 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.035 U	0.035 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0074 U	0.007 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0074 U	0.007 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0074 U	0.007 U	0.0071 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0074 U	0.007 U	0.0071 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0074 U	0.007 U	0.0071 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0074 U	0.007 U	0.0071 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0074 U	0.007 U	0.0071 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0021 U	0.0021 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0074 U	0.007 U	0.0071 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0074 U	0.007 U	0.0071 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0074 U	0.007 U	0.0071 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0074 U	0.007 U	0.0071 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0074 U	0.007 U	0.0071 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0074 U	0.007 U	0.0071 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.035 U	0.035 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.074 U	0.07 U	0.071 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-10	WC-10_WC-11	WC-11
						Sample Date:	05/11/2021	05/12/2021	05/12/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.039 U	0.036 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.039 U	0.036 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0074 U	0.0079 U	0.0072 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0023 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0074 U	0.0079 U	0.0072 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0023 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0074 U	0.0079 U	0.0072 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0023 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0023 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0074 U	0.0079 U	0.0072 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0074 U	0.0079 U	0.0072 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0074 U	0.0079 U	0.0072 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0074 U	0.0079 U	0.0072 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0023 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0074 U	0.0079 U	0.0072 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0074 U	0.0079 U	0.0072 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0074 U	0.0079 U	0.0072 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0074 U	0.0079 U	0.0072 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0074 U	0.0029 J	0.0072 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0074 U	0.0079 U	0.0072 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.039 U	0.036 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.074 U	0.079 U	0.072 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-12	WC-12_WC-13	WC-13
						Sample Date:	05/13/2021	05/13/2021	05/14/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.036 U	0.037 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.036 U	0.037 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0075 U	0.0073 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0022 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0075 U	0.0073 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0022 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0075 U	0.0073 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0022 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0022 U	0.0022
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0075 U	0.0073 U	0.0075 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0075 U	0.0073 U	0.0075 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0075 U	0.0073 U	0.0075 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0075 U	0.0073 U	0.0075 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0022 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0075 U	0.0073 U	0.0075 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0075 U	0.0073 U	0.0075 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0075 U	0.0073 U	0.0075 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0075 U	0.0073 U	0.0075 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0038 J	0.0023 J	0.0029 J
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0075 U	0.0073 U	0.0024 JP
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.036 U	0.037 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.075 U	0.073 U	0.075 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-14	WC-14_WC-15	WC-15
							Sample Date: 05/15/2021	05/15/2021	05/15/2021
							Sample Depth (ft bls): 0 - 5	5 - 10	0 - 5
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.035 U	0.036 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.035 U	0.036 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0075 U	0.0071 U	0.0072 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0021 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0075 U	0.0071 U	0.0072 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0021 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0075 U	0.0071 U	0.0072 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0021 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0021 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0075 U	0.0071 U	0.0072 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0075 U	0.0071 U	0.0072 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0075 U	0.0071 U	0.0072 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0075 U	0.0071 U	0.0072 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0021 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0075 U	0.0071 U	0.0072 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0075 U	0.0071 U	0.0072 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0075 U	0.0071 U	0.0072 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0075 U	0.0071 U	0.0072 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0075 U	0.0071 U	0.0072 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0075 U	0.0071 U	0.0072 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.035 U	0.036 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.075 U	0.071 U	0.072 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-16	WC-16_WC-17	WC-17
						Sample Date:	05/15/2021	05/16/2021	05/16/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.036 U	0.035 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.036 U	0.035 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0074 U	0.0072 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0074 U	0.0072 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0074 U	0.0072 U	0.0071 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0074 U	0.0072 U	0.0071 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0074 U	0.0072 U	0.0071 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0074 U	0.0072 U	0.0071 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0074 U	0.0072 U	0.0071 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0021 U	0.0021 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0074 U	0.0072 U	0.0071 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0074 U	0.0072 U	0.0071 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0074 U	0.0072 U	0.0071 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0074 U	0.0072 U	0.0071 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0074 U	0.0072 U	0.0071 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0041 J	0.0072 U	0.0071 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.036 U	0.035 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.074 U	0.072 U	0.071 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18	WC-18_WC-19	WC-18_WC-19
						Sample Date:	05/11/2021	05/17/2021	05/17/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.036 U	0.038 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.036 U	0.038 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0075 U	0.0072 U	0.0077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0021 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0075 U	0.0072 U	0.0077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0021 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0075 U	0.0072 U	0.0077 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0021 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0021 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0075 U	0.0072 U	0.0077 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0075 U	0.0072 U	0.0077 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0075 U	0.0072 U	0.0077 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0075 U	0.0072 U	0.0077 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0021 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0075 U	0.0072 U	0.0077 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0075 U	0.0072 U	0.0077 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0075 U	0.0072 U	0.0077 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0075 U	0.0072 U	0.0077 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0075 U	0.0072 U	0.0077 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0075 U	0.0072 U	0.0077 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.036 U	0.038 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.075 U	0.072 U	0.077 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-19	WC-2	WC-20
						Sample Date:	05/13/2021	05/20/2021	05/13/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.035 U	0.039 U	0.036 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.035 U	0.039 U	0.036 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0071 U	0.0079 U	0.0072 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0021 U	0.0023 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0071 U	0.0079 U	0.0072 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0021 U	0.0023 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0071 U	0.0079 U	0.0072 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0021 U	0.0023 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0021 U	0.0023 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0071 U	0.0079 U	0.0072 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0071 U	0.0079 U	0.0072 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0071 U	0.0079 U	0.0072 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0071 U	0.0079 U	0.0072 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0021 U	0.0023 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0071 U	0.0079 U	0.0072 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0071 U	0.0079 U	0.0072 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0071 U	0.0079 U	0.0072 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0071 U	0.0079 U	0.0072 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0071 U	0.0079 U	0.0072 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0071 U	0.0079 U	0.0072 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.035 U	0.039 U	0.036 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.071 U	0.079 U	0.072 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-21
						Sample Date:	05/20/2021	05/20/2021	06/05/2021
						Sample Depth (ft bls):	5 - 10	10 - 18	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.038 U	0.037 U	0.036 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.038 U	0.037 U	0.036 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0076 U	0.0075 U	0.0073 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0023 U	0.0022 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0076 U	0.0075 U	0.0073 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0023 U	0.0022 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0076 U	0.0075 U	0.0073 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0023 U	0.0022 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0023 U	0.0022 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0076 U	0.0075 U	0.0073 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0076 U	0.0075 U	0.0073 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0076 U	0.0075 U	0.0073 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0076 U	0.0075 U	0.0073 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0023 U	0.0022 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0076 U	0.0075 U	0.0073 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0076 U	0.0075 U	0.0073 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0076 U	0.0075 U	0.0073 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0076 U	0.0075 U	0.0073 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0076 U	0.0075 U	0.0073 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0076 U	0.0075 U	0.0073 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.038 U	0.037 U	0.036 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.076 U	0.075 U	0.073 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-21_WC-22	Sample Date: 06/07/2021	Sample Depth (ft bls): 5 - 10	Sample Designation: WC-21_WC-22	Sample Date: 06/07/2021	Sample Depth (ft bls): 10 - 18	Sample Designation: WC-22	Sample Date: 06/07/2021	Sample Depth (ft bls): 0 - 5
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.036 U			0.039 U			0.035 U		
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.036 U			0.039 U			0.035 U		
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U			0.0023 U			0.0021 U		
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U			0.0023 U			0.0021 U		
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U			0.0023 U			0.0021 U		
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0039			0.0023 U			0.0021 U		
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Endrin	11	23	340	5.5	5.5	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Endrin Ketone	--	--	--	--	--	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U			0.0023 U			0.0021 U		
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Methoxychlor	--	390	5700	630	630	MG/KG	0.0072 U			0.0079 U			0.0071 U		
P,P'-DDD	13	3	13	33	150	MG/KG	0.0072 U			0.0079 U			0.0071 U		
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0072 U			0.0079 U			0.0071 U		
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0072 U			0.0079 U			0.0071 U		
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.036 U			0.039 U			0.035 U		
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.072 U			0.079 U			0.071 U		

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23	WC-23_WC-24	WC-23_WC-24
						Sample Date:	06/03/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.038 U	0.038 U	0.039 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.038 U	0.038 U	0.039 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0076 U	0.0076 U	0.0078 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0023 U	0.0023 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0076 U	0.0076 U	0.0078 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0023 U	0.0023 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0076 U	0.0076 U	0.0078 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0023 U	0.0023 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0076 U	0.0076 U	0.0078 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0076 U	0.0076 U	0.0078 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0076 U	0.0076 U	0.0078 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0076 U	0.0076 U	0.0078 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0023 U	0.0023 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0076 U	0.0076 U	0.0078 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0076 U	0.0076 U	0.0078 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0076 U	0.0076 U	0.0078 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0076 U	0.0076 U	0.0078 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0076 U	0.0076 U	0.0078 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0044 J	0.0076 U	0.0078 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.038 U	0.038 U	0.039 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.076 U	0.076 U	0.078 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-24	WC-25	WC-26
							Sample Date: 06/02/2021	06/07/2021	06/04/2021
							Sample Depth (ft bls): 0 - 5	0 - 5	0 - 5
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.039 U	0.036 U	0.037 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.039 U	0.036 U	0.037 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.039 U	0.0073 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.012 U	0.0022 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.039 U	0.0073 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.012 U	0.0022 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.039 U	0.0073 U	0.0074 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.012 U	0.0022 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.012 U	0.0022 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.039 U	0.0073 U	0.0074 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.039 U	0.0073 U	0.0074 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.039 U	0.0073 U	0.0074 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.039 U	0.0073 U	0.0074 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.012 U	0.0022 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.039 U	0.0073 U	0.0074 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.039 U	0.0073 U	0.0074 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.039 U	0.0073 U	0.0074 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.039 U	0.0073 U	0.0074 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.26	0.0073 U	0.0074 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.33 P	0.0073 U	0.0074 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.039 U	0.036 U	0.037 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.39 U	0.073 U	0.074 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-27	WC-28	WC-29	WC-3
						Sample Date:	05/17/2021	05/18/2021	05/18/2021	05/04/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.034 U	0.035 U	0.034 U	0.037 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.034 U	0.035 U	0.034 U	0.037 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.0074 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.013
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0069 U	0.0071 U	0.0069 U	0.011 P
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.034 U	0.035 U	0.034 U	0.037 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.069 U	0.071 U	0.069 U	0.074 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-30	WC-4	WC-5	WC-6
						Sample Date:	05/17/2021	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.04 U	0.039 U	0.038 U	0.038 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.04 U	0.039 U	0.038 U	0.038 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0024 U	0.0024 U	0.0023 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0024 U	0.0024 U	0.0023 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0024 U	0.0024 U	0.0023 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0024 U	0.0024 U	0.0023 U	0.01
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0024 U	0.0024 U	0.0023 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0057 J
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0081 U	0.0079 U	0.0077 U	0.0077 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.04 U	0.039 U	0.038 U	0.038 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.081 U	0.079 U	0.077 U	0.077 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6_WC-7	WC-7	WC-8
						Sample Date:	05/06/2021	05/06/2021	05/06/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.052 U	0.038 U	0.039 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.052 U	0.038 U	0.039 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.01 U	0.0077 U	0.0078 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0031 U	0.0023 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.01 U	0.0077 U	0.0078 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0031 U	0.0023 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.01 U	0.0077 U	0.0078 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0031 U	0.0023 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0031 U	0.0023 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.01 U	0.0077 U	0.0078 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.01 U	0.0077 U	0.0078 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.01 U	0.0077 U	0.0078 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.01 U	0.0077 U	0.0078 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0031 U	0.0023 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.01 U	0.0077 U	0.0078 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.01 U	0.0077 U	0.0078 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.01 U	0.0077 U	0.0078 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.01 U	0.0077 U	0.0078 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.049	0.0077 U	0.0078 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0045 J	0.0077 U	0.0078 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.052 U	0.038 U	0.039 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.1 U	0.077 U	0.078 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-8_WC-9	WC-9	WCR-1
							Sample Date: 05/10/2021	05/10/2021	05/23/2021
							Sample Depth (ft bls): 5 - 10	0 - 5	0 - 8
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.039 U	0.038 U	0.038 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.039 U	0.038 U	0.038 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0078 U	0.0077 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0023 U	0.0023 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0078 U	0.0077 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0023 U	0.0023 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0078 U	0.0077 U	0.0076 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0023 U	0.0023 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0078 U	0.0077 U	0.0076 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0078 U	0.0077 U	0.0076 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0078 U	0.0077 U	0.0076 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0078 U	0.0077 U	0.0076 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0023 U	0.0023 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0078 U	0.0077 U	0.0076 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0078 U	0.0077 U	0.0076 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0078 U	0.0077 U	0.0076 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0078 U	0.0077 U	0.0076 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0039 J	0.0032 J	0.0076 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0078 U	0.0077 U	0.0076 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.039 U	0.038 U	0.038 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.078 U	0.077 U	0.076 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-10	WCR-11	WCR-12	WCR-13
						Sample Date:	05/28/2021	05/28/2021	05/28/2021	06/01/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.036 U	0.036 U	0.036 U	0.036 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.036 U	0.036 U	0.036 U	0.036 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0072 U	0.0073 U	0.0072 U	0.0072 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.036 U	0.036 U	0.036 U	0.036 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.072 U	0.073 U	0.072 U	0.072 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-14	WCR-15	WCR-16	WCR-17
						Sample Date:	06/01/2021	06/02/2021	06/04/2021	06/04/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.036 U	0.036 U	0.036 U	0.039 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.036 U	0.036 U	0.036 U	0.039 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0022 U	0.0022 U	0.0024 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0022 U	0.0022 U	0.0024 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0022 U	0.0022 U	0.0024 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0022 U	0.0022 U	0.0024 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0022 U	0.0022 U	0.0024 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0073 U	0.0072 U	0.0072 U	0.0079 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.036 U	0.036 U	0.036 U	0.039 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.073 U	0.072 U	0.072 U	0.079 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-2	WCR-3	WCR-4	WCR-5
						Sample Date:	05/23/2021	05/23/2021	05/23/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.035 U	0.036 U	0.04 U	0.035 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.035 U	0.036 U	0.04 U	0.035 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0021 U	0.0022 U	0.0024 U	0.0021 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0021 U	0.0022 U	0.0024 U	0.0021 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0021 U	0.0022 U	0.0024 U	0.0021 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0021 U	0.0022 U	0.0024 U	0.0021 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0021 U	0.0022 U	0.0024 U	0.0021 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0071 U	0.0073 U	0.0079 U	0.0071 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.035 U	0.036 U	0.04 U	0.035 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.071 U	0.073 U	0.079 U	0.071 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-6	WCR-7	WCR-8	WCR-9
						Sample Date:	05/26/2021	05/26/2021	05/27/2021	05/27/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.035 U	0.035 U	0.037 U	0.037 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.035 U	0.035 U	0.037 U	0.037 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0035 J
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0071 U	0.0071 U	0.0075 U	0.0074 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.035 U	0.035 U	0.037 U	0.037 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.071 U	0.071 U	0.075 U	0.074 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WL-1	WL-2	WL-3	WL-4
							Sample Date: 06/08/2021	06/08/2021	06/09/2021	06/09/2021
							Sample Depth (ft bls): 0 - 10	0 - 10	0 - 10	0 - 10
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.038 U	0.038 U	0.037 U	0.038 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.038 U	0.038 U	0.037 U	0.038 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0076 U	0.0077 U	0.0074 U	0.0076 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.038 U	0.038 U	0.037 U	0.038 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.076 U	0.077 U	0.074 U	0.076 U

Table 6. Summary of Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-5	WL-6
						Sample Date:	06/10/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	1.8	1.8	MG/KG	0.037 U	0.037 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	1.5	1.5	MG/KG	0.037 U	0.037 U
Aldrin	0.097	0.04	0.2	0.52	2.4	MG/KG	0.0074 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	0.1	0.5	0.055	0.25	MG/KG	0.0022 U	0.0022 U
Alpha Endosulfan	24	--	--	130	260	MG/KG	0.0074 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	0.4	2	0.24	1.1	MG/KG	0.0022 U	0.0022 U
Beta Endosulfan	24	--	--	150	260	MG/KG	0.0074 U	0.0074 U
Delta BHC (Delta Hexachlorocyclohexane)	100	--	--	--	--	MG/KG	0.0022 U	0.0022 U
Dieldrin	0.2	0.04	0.2	0.13	0.58	MG/KG	0.0022 U	0.0022 U
Endosulfan Sulfate	24	470	6800	70	70	MG/KG	0.0074 U	0.0074 U
Endrin	11	23	340	5.5	5.5	MG/KG	0.0074 U	0.0074 U
Endrin Aldehyde	--	--	--	--	--	MG/KG	0.0074 U	0.0074 U
Endrin Ketone	--	--	--	--	--	MG/KG	0.0074 U	0.0074 U
Gamma Bhc (Lindane)	1.3	0.4	2	0.072	0.072	MG/KG	0.0022 U	0.0022 U
Heptachlor	2.1	0.1	0.7	0.68	0.68	MG/KG	0.0074 U	0.0074 U
Heptachlor Epoxide	--	0.07	0.3	1.1	1.1	MG/KG	0.0074 U	0.0074 U
Methoxychlor	--	390	5700	630	630	MG/KG	0.0074 U	0.0074 U
P,P'-DDD	13	3	13	33	150	MG/KG	0.0074 U	0.0074 U
P,P'-DDE	8.9	2	9	46	220	MG/KG	0.0074 U	0.0074 U
P,P'-DDT	7.9	2	8	55	270	MG/KG	0.0074 U	0.0074 U
Silvex (2,4,5-TP)	100	--	--	22	22	MG/KG	0.037 U	0.037 U
Toxaphene	--	0.6	3	1.2	1.2	MG/KG	0.074 U	0.074 U

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	330	NA	290
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1110	1740	229 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: SP-2_WC-11_12_13 Sample Date: 06/08/2021 Sample Depth (ft bls): -	Sample Designation: SP-3_WC-14 Sample Date: 06/07/2021 Sample Depth (ft bls): -	Sample Designation: SP-4_WC-14_15 Sample Date: 06/08/2021 Sample Depth (ft bls): -
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	380	45	250
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	791	716 U	343 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-5_WC-16-17	WC-1	WC-10
						Sample Date:	06/08/2021	05/20/2021	05/11/2021
						Sample Depth (ft bls):	-	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	1100	1000	330
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	2410	2250	5090

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-10_WC-11	WC-11	WC-12	WC-12_WC-13
						Sample Date:	05/12/2021	05/12/2021	05/13/2021	05/13/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	2000	230	320	140
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	5020	1790	1890	6700

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-13	WC-14	WC-14_WC-15	WC-15
						Sample Date:	05/14/2021	05/15/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	1100	370	2.1 U	120
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	4170	762	630 U	1170

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-16	WC-16_WC-17	WC-17	WC-18
						Sample Date:	05/15/2021	05/16/2021	05/16/2021	05/11/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	160	280	250	100
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	594 J	685	574 J	462 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-18_WC-19	WC-19
						Sample Date:	05/17/2021	05/17/2021	05/13/2021
						Sample Depth (ft bls):	5 - 10	10 - 18	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	250	91	400
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	534 J	687	576 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-2	WC-20	WC-20	WC-20
						Sample Date:	05/20/2021	05/13/2021	05/20/2021	05/20/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	430	220	970	4600
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1900	765	391 J	1800

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21	WC-21_WC-22	WC-21_WC-22
						Sample Date:	06/05/2021	06/07/2021	06/07/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	1600	29	2.3 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	7060	652 U	682 U

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-22	WC-23	WC-23_WC-24
						Sample Date:	06/07/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	350	300	2.3 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1830	251 J	669 U

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-24	WC-25	WC-26
						Sample Date:	06/03/2021	06/02/2021	06/07/2021	06/04/2021
						Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	2.3 U	84	660	140
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	691 U	336 J	2990	553 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-27	WC-28	WC-29	WC-3
						Sample Date:	05/17/2021	05/18/2021	05/18/2021	05/04/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	170	170	460	450
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	248 J	725	1840	1900

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-30	WC-4	WC-5	WC-6
						Sample Date:	05/17/2021	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	620	140	130	270
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1460	1070	1770	279 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6_WC-7	WC-7	WC-8	WC-8_WC-9
						Sample Date:	05/06/2021	05/06/2021	05/06/2021	05/10/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	3.1 U	84	170	610
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	929 U	1650	5090	4630

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-9	WCR-1	WCR-10	WCR-11
						Sample Date:	05/10/2021	05/23/2021	05/28/2021	05/28/2021
						Sample Depth (ft bls):	0 - 5	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	370	44	560	28
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	8660	439 J	4560	376 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-12	WCR-13	WCR-14	WCR-15
						Sample Date:	05/28/2021	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	100	2.1 U	61	76
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	272 J	393 J	324 J	412 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16	WCR-17	WCR-2	WCR-3
						Sample Date:	06/04/2021	06/04/2021	05/23/2021	05/23/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	210	110	2.1 U	2.2 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1030	318 J	360 J	702

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-4	WCR-5	WCR-6	WCR-7
						Sample Date:	05/23/2021	05/26/2021	05/26/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	2.4 U	160	2.1 U	45
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	696 U	1070	545 J	398 J

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-8	WCR-9	WL-1	WL-2
						Sample Date:	05/27/2021	05/27/2021	06/08/2021	06/08/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	36	1000	5300	4200
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	667 U	783	3690	3750

Table 7. Summary of Petroleum Hydrocarbons in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-3	WL-4	WL-5	WL-6
						Sample Date:	06/09/2021	06/09/2021	06/10/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Epa Total Extractable Petroleum Hydrocarbons Range 9 To 40	--	5100	--	--	--	MG/KG	3200	1800	2.2 U	540
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	805	5320	648 U	342 J

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10
						Sample Date:	05/14/2021	06/11/2021	06/07/2021
						Sample Depth (ft bls):	0 - 2	0 - 2	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.3	8	8.3
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1110	1740	229 J
pH	--	--	--	--	--	PH UNITS	8.3	8	8.3
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	87.8	91.8	89.7
Total Volatile Solids	--	--	--	--	--	%	2.9	1	5.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-2_WC-11_12_13	SP-3_WC-14	SP-4_WC-14_15
						Sample Date:	06/08/2021	06/07/2021	06/08/2021
						Sample Depth (ft bls):	-	-	-
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units			
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.2	8.5	8.4
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	791	716 U	343 J
pH	--	--	--	--	--	PH UNITS	8.2	8.5	8.4
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	87.2	90.1	89.5
Total Volatile Solids	--	--	--	--	--	%	5.3	1.1	6.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	SP-5_WC-16-17	WC-1	WC-10	WC-10_WC-11
						Sample Date:	06/08/2021	05/20/2021	05/11/2021	05/12/2021
						Sample Depth (ft bls):	-	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.5	8.5	10.9	11.2
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	2410	2250	5090	5020
pH	--	--	--	--	--	PH UNITS	8.5	8.5	10.9	11.2
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	97.8	94.8	93.5	88.5
Total Volatile Solids	--	--	--	--	--	%	5.8	4.1	3.6	2.6

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-11	WC-12	WC-12_WC-13	WC-13
						Sample Date:	05/12/2021	05/13/2021	05/13/2021	05/14/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.4	8.3	11	10.4
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1790	1890	6700	4170
pH	--	--	--	--	--	PH UNITS	8.4	8.3	11	10.4
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	91	91.9	91.3	87.7
Total Volatile Solids	--	--	--	--	--	%	2.8	2.3	3	2.8

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-14	WC-14_WC-15	WC-15	WC-16
						Sample Date:	05/15/2021	05/15/2021	05/15/2021	05/15/2021
						Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9.4	8.8	9.8	9.1
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	762	630 U	1170	594 J
pH	--	--	--	--	--	PH UNITS	9.4	8.8	9.8	9.1
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	91.1 B	97.2 B	92.4 B	94.6 B
Total Volatile Solids	--	--	--	--	--	%	2.6	0.65	1.3	2.2

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-16_WC-17	WC-17	WC-18	WC-18_WC-19
						Sample Date:	05/16/2021	05/16/2021	05/11/2021	05/17/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9.7	9.4	8.9	9.2
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	685	574 J	462 J	687
pH	--	--	--	--	--	PH UNITS	9.7	9.4	8.9	9.2
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	93.2 B	94 B	92.6	88.6 B
Total Volatile Solids	--	--	--	--	--	%	3.2	1.8	3.2	1.6

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-18_WC-19	WC-19	WC-2	WC-20
						Sample Date:	05/17/2021	05/13/2021	05/20/2021	05/13/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9.3	8.8	9.2	8.9
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	534 J	576 J	1900	765
pH	--	--	--	--	--	PH UNITS	9.3	8.8	9.2	8.9
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	93.7 B	94	89.3	92.9
Total Volatile Solids	--	--	--	--	--	%	2.1	2.6	5.5	2.7

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-20	WC-20	WC-21	WC-21_WC-22
						Sample Date:	05/20/2021	05/20/2021	06/05/2021	06/07/2021
						Sample Depth (ft bls):	10 - 18	5 - 10	0 - 5	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	10.4	10.5	8.5	8.4
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1800	391 J	7060	682 U
pH	--	--	--	--	--	PH UNITS	10.4	10.5	8.5	8.4
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	88.8	89.1	92.7	85.9
Total Volatile Solids	--	--	--	--	--	%	1.3	4	4	0.8

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-21_WC-22	WC-22	WC-23	WC-23_WC-24
						Sample Date:	06/07/2021	06/07/2021	06/03/2021	06/03/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	10 - 18
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.5	8.3	11	9.2
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	652 U	1830	251 J	691 U
pH	--	--	--	--	--	PH UNITS	8.5	8.3	11	9.2
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	93.5	95.9	90.1	82.4
Total Volatile Solids	--	--	--	--	--	%	1.2	3.8	5.2	0.58

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-23_WC-24	WC-24	WC-25	WC-26
						Sample Date:	06/03/2021	06/02/2021	06/07/2021	06/04/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.2	9.9	10	9.8
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	669 U	336 J	2990	553 J
pH	--	--	--	--	--	PH UNITS	8.2	9.9	10	9.8
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	85.3	91.3	92.7	91
Total Volatile Solids	--	--	--	--	--	%	1.3	3.6	4	2.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-27	WC-28	WC-29	WC-3
						Sample Date:	05/17/2021	05/18/2021	05/18/2021	05/04/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.9	8.7	9.1	9.4
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	248 J	725	1840	1900
pH	--	--	--	--	--	PH UNITS	8.9	8.7	9.1	9.4
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	98.1 B	94.8	94.9	92.3
Total Volatile Solids	--	--	--	--	--	%	1.2	2.2	5.8	2.5

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-30	WC-4	WC-5	WC-6
						Sample Date:	05/17/2021	05/04/2021	05/05/2021	05/05/2021
						Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9.4	10.9	11.5	11.2
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1460	1070	1770	279 J
pH	--	--	--	--	--	PH UNITS	9.4	10.9	11.5	11.2
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	93.9 B	87.4	78.5	87.3
Total Volatile Solids	--	--	--	--	--	%	4.6	1.9	2.2	2.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-6_WC-7	WC-7	WC-8	WC-8_WC-9
						Sample Date:	05/06/2021	05/06/2021	05/06/2021	05/10/2021
						Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9.1	11.1	10.6	11.3
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	929 U	1650	5090	4630
pH	--	--	--	--	--	PH UNITS	9.1	11.1	10.6	11.3
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	71.3	91.9	93.8	87.8
Total Volatile Solids	--	--	--	--	--	%	4.5	1.2	1.6	2.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WC-9	WCR-1	WCR-10	WCR-11
						Sample Date:	05/10/2021	05/23/2021	05/28/2021	05/28/2021
						Sample Depth (ft bls):	0 - 5	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	10.6	8.8	10.4	8.2
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	8660	439 J	4560	376 J
pH	--	--	--	--	--	PH UNITS	10.6	8.8	10.4	8.2
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	89.9	90.2	94.3	86.8
Total Volatile Solids	--	--	--	--	--	%	3	3.3	2.7	2.2

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-12	WCR-13	WCR-14	WCR-15
						Sample Date:	05/28/2021	06/01/2021	06/01/2021	06/02/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.7	9.4	9.5	9.3
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	272 J	393 J	324 J	412 J
pH	--	--	--	--	--	PH UNITS	8.7	9.4	9.5	9.3
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	87.6	92.6	92.5	94.3
Total Volatile Solids	--	--	--	--	--	%	1.2	1.5	1.2	1.3

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-16	WCR-17	WCR-2	WCR-3
						Sample Date:	06/04/2021	06/04/2021	05/23/2021	05/23/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.2	8.4	8.5	9
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	1030	318 J	360 J	702
pH	--	--	--	--	--	PH UNITS	8.2	8.4	8.5	9
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	105	88.3	94.8	94.2
Total Volatile Solids	--	--	--	--	--	%	6.7	4	2.4	1.3

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-4	WCR-5	WCR-6	WCR-7
						Sample Date:	05/23/2021	05/26/2021	05/26/2021	05/26/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.5	9.3	9.2	9.5
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	696 U	1070	545 J	398 J
pH	--	--	--	--	--	PH UNITS	8.5	9.3	9.2	9.5
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	93.2	94.7	94.3	93.7
Total Volatile Solids	--	--	--	--	--	%	1.4	2.4	1.2	1.1

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WCR-8	WCR-9	WL-1	WL-2
						Sample Date:	05/27/2021	05/27/2021	06/08/2021	06/08/2021
						Sample Depth (ft bls):	0 - 8	0 - 8	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	9	9.3	7.3	6.7
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	667 U	783	3690	3750
pH	--	--	--	--	--	PH UNITS	9	9.3	7.3	6.7
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	85.5	89.9	87.9	87.1
Total Volatile Solids	--	--	--	--	--	%	1	2.8	1.6	3

Table 8. Summary of General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

						Sample Designation:	WL-3	WL-4	WL-5	WL-6
						Sample Date:	06/09/2021	06/09/2021	06/10/2021	06/10/2021
						Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	NYSDEC Resticted Residential SCO	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
Burn Rate	--	--	--	--	--	MM/SEC	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	--	--	--	--	--	PH UNITS	8.7	8.2	7.3	7.9
Free Liquids	--	--	--	--	--	ML/100G	0.5 U	0.5 U	0.5 U	0.5 U
Oil & Grease, Total Rec	--	--	--	--	--	MG/KG	805	5320	648 U	342 J
pH	--	--	--	--	--	PH UNITS	8.7	8.2	7.3	7.9
Reactive Cyanide	--	--	--	--	--	MG/KG	25 U	25 U	25 U	25 U
Sulfide Reactive	--	--	--	--	--	MG/KG	20 U	20 U	20 U	20 U
Total Solids	--	--	--	--	--	%	92.2	8.6	86	93.4
Total Volatile Solids	--	--	--	--	--	%	1.9	5.5	0.93	1.9

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		CA-1C	CA-2E	SP-1_WC-8_9_10_VOC	SP-2_WC-11_VOC	SP-3_WC-14_VOC
	Sample Date:		05/14/2021	06/11/2021	06/07/2021	06/08/2021	06/07/2021
	Sample Depth (ft bls):		0 - 2	0 - 2	-	-	-
Parameter	USEPA Regulatory Levels (mg/L)	Units					
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.013	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	SP-4_WC-14_VOC	SP-5_WC-17_VOC	WC-10A	WC-10B	WC-11A	WC-12C	WC-12D
		Sample Date:	06/08/2021	06/08/2021	05/11/2021	05/11/2021	05/12/2021	05/13/2021	05/13/2021
		Sample Depth (ft bls):	-	-	0 - 2	7 - 9	0 - 2	6 - 8	0 - 2
Parameter	USEPA Regulatory Levels (mg/L)	Units							
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 UT
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-13B	WC-14A	WC-15B	WC-15C	WC-16A	WC-17A	WC-17D	WC-18A
	Sample Date:		05/14/2021	05/14/2021	05/17/2021	05/17/2021	05/17/2021	05/17/2021	05/17/2021	05/11/2021
	Sample Depth (ft bls):		0 - 2	0 - 2	8 - 10	0 - 2	0 - 2	0 - 2	5 - 7	0 - 2
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.0021 J	0.01 U	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.0077 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-18A	WC-19A	WC-19B	WC-1A	WC-20A	WC-20C	WC-20D	WC-21B
		Sample Date:	05/17/2021	05/13/2021	05/17/2021	05/20/2021	05/13/2021	05/18/2021	05/18/2021	06/07/2021
		Sample Depth (ft bls):	10 - 12	0 - 2	6 - 8	0 - 2	0 - 2	8 - 10	13 - 15	1 - 3
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 U	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-21D	WC-21D	WC-22C	WC-23A	WC-23C	WC-23D	WC-24B	WC-25D
	Sample Date:		06/07/2021	06/07/2021	06/07/2021	06/03/2021	06/03/2021	06/03/2021	06/02/2021	06/07/2021
	Sample Depth (ft bls):		6 - 8	15 - 17	1 - 3	6 - 8	13 - 15	1 - 3	1 - 3	1 - 3
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-26C	WC-27A	WC-28A	WC-29C	WC-2D	WC-30B	WC-3A	WC-4A
	Sample Date:		06/04/2021	05/17/2021	05/18/2021	05/18/2021	05/20/2021	05/17/2021	05/03/2021	05/04/2021
	Sample Depth (ft bls):		1 - 3	0 - 2	0 - 2	0 - 2	3 - 5	3 - 5	0 - 2	1 - 3
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 UT	0.01 UT	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-5A	WC-6A	WC-6C	WC-7D	WC-8A	WC-8A	WC-9B	WC-9C
	Sample Date:		05/05/2021	05/05/2021	05/05/2021	05/06/2021	05/06/2021	05/06/2021	05/10/2021	05/07/2021
	Sample Depth (ft bls):		3 - 5	3 - 5	5 - 7	1 - 3	1 - 3	7 - 9	7 - 9	3 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.049	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-10D	WCR-11A	WCR-12A	WCR-13C	WCR-14C	WCR-15B	WCR-16B	WCR-17B
		Sample Date:	05/28/2021	05/28/2021	05/28/2021	06/01/2021	06/01/2021	06/02/2021	06/04/2021	06/03/2021
		Sample Depth (ft bls):	6 - 8	5 - 7	5 - 7	6 - 8	1 - 3	6 - 8	3 - 5	1 - 3
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 UT
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.0049 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-1C	WCR-2D	WCR-3C	WCR-4D	WCR-5C	WCR-6B	WCR-7B	WCR-8C
		Sample Date:	05/21/2021	05/21/2021	05/24/2021	05/24/2021	05/26/2021	05/24/2021	05/26/2021	05/27/2021
		Sample Depth (ft bls):	3 - 5	1 - 3	5 - 7	5 - 7	5 - 7	5 - 7	6 - 8	5 - 7
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 U	0.01 UT	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 UT	0.01 UT	0.01 UT	0.01 UT	0.01 U	0.01 UT	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 9. Summary of TCLP Volatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-9D	WL-1A	WL-2A	WL-3A	WL-4A	WL-5C	WL-6C
		Sample Date:	05/27/2021	06/08/2021	06/08/2021	06/09/2021	06/09/2021	06/10/2021	06/10/2021
		Sample Depth (ft bls):	5 - 7	7 - 9	5 - 7	4 - 6	5 - 7	5 - 7	6 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units							
1,1-Dichloroethene	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,2-Dichloroethane	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon Tetrachloride	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlorobenzene	100	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chloroform	6	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl Ethyl Ketone (2-Butanone)	200	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethylene (PCE)	0.7	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Trichloroethylene (TCE)	0.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl Chloride	0.2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		CA-1	CA-2	SP-1_WC-8_9_10	SP-2_WC-11_12_13	SP-3_WC-14	SP-4_WC-14_15
	Sample Date:		05/14/2021	06/11/2021	06/07/2021	06/08/2021	06/07/2021	06/08/2021
	Sample Depth (ft bls):		0 - 2	0 - 2	-	-	-	-
Parameter	USEPA Regulatory Levels (mg/L)	Units						
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	SP-5_WC-16-17	WC-1	WC-10	WC-10_WC-11	WC-11	WC-12	WC-12_WC-13
		Sample Date:	06/08/2021	05/20/2021	05/11/2021	05/12/2021	05/12/2021	05/13/2021	05/13/2021
		Sample Depth (ft bls):	-	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units							
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-13	WC-14	WC-14_WC-15	WC-15	WC-16	WC-16_WC-17	WC-17	WC-18
	Sample Date:		05/14/2021	05/15/2021	05/15/2021	05/15/2021	05/15/2021	05/16/2021	05/16/2021	05/11/2021
	Sample Depth (ft bls):		0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-18	WC-18_WC-19	WC-18_WC-19	WC-19	WC-2	WC-20	WC-20	WC-20
	Sample Date:		06/04/2021	05/17/2021	05/17/2021	05/13/2021	05/20/2021	05/13/2021	05/20/2021	05/20/2021
	Sample Depth (ft bls):		0 - 8	5 - 10	10 - 18	0 - 5	0 - 5	0 - 5	5 - 10	10 - 18
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-21	WC-21_WC-22	WC-21_WC-22	WC-22	WC-23	WC-23_WC-24	WC-23_WC-24
	Sample Date:		06/05/2021	06/07/2021	06/07/2021	06/07/2021	06/03/2021	06/03/2021	06/03/2021
	Sample Depth (ft bls):		0 - 5	5 - 10	10 - 18	0 - 5	0 - 5	5 - 10	10 - 18
Parameter	USEPA Regulatory Levels (mg/L)	Units							
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 UT
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-24	WC-25	WC-26	WC-27	WC-28	WC-29	WC-3	WC-30
	Sample Date:		06/02/2021	06/07/2021	06/04/2021	05/17/2021	05/18/2021	05/18/2021	05/04/2021	05/17/2021
	Sample Depth (ft bls):		0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0011 J	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-4	WC-5	WC-6	WC-6_WC-7	WC-7	WC-8	WC-8_WC-9	WC-9
	Sample Date:		05/04/2021	05/05/2021	05/05/2021	05/06/2021	05/06/2021	05/06/2021	05/10/2021	05/10/2021
	Sample Depth (ft bls):		0 - 5	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WCR-1	WCR-10	WCR-11	WCR-12	WCR-13	WCR-14	WCR-15	WCR-17
	Sample Date:		05/23/2021	05/28/2021	05/28/2021	05/28/2021	06/01/2021	06/01/2021	06/02/2021	06/04/2021
	Sample Depth (ft bls):		0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WCR-2	WCR-3	WCR-4	WCR-5	WCR-6	WCR-7	WCR-8	WCR-9
	Sample Date:		05/23/2021	05/23/2021	05/23/2021	05/26/2021	05/26/2021	05/26/2021	05/27/2021	05/27/2021
	Sample Depth (ft bls):		0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units								
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT	0.01 UT	0.01 U	0.01 U

Table 10. Summary of TCLP Semivolatile Organic Compounds in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WL-1	WL-2	WL-3	WL-4	WL-5	WL-6
		Sample Date:	06/08/2021	06/08/2021	06/09/2021	06/09/2021	06/10/2021	06/10/2021
		Sample Depth (ft bls):	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units						
1,4-Dichlorobenzene	7.5	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UT	0.01 UT
2,4,5-Trichlorophenol	400	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	2	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrotoluene	0.13	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Methylphenol (O-Cresol)	200	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cresols, M & P	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	0.13	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	0.5	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachloroethane	3	MG/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Nitrobenzene	2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Pentachlorophenol	100	MG/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Pyridine	5	MG/L	0.01 U	0.01 UT	0.01 UT	0.01 UT	0.01 U	0.01 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		CA-1	CA-2	SP-1_WC-8_9_10	SP-2_WC-11_12_13	SP-3_WC-14	SP-4_WC-14_15	SP-5_WC-16-17
	Sample Date:		05/14/2021	06/11/2021	06/07/2021	06/08/2021	06/07/2021	06/08/2021	06/08/2021
	Sample Depth (ft bls):		0 - 2	0 - 2	-	-	-	-	-
Parameter	USEPA Regulatory Levels (mg/L)	Units							
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.63 J	0.52 J	0.68 J	0.59 J	0.29 J	0.46 J	0.51 J
Cadmium	1	MG/L	0.0044 J	0.0079 J	0.0035 J	0.003 J	0.02 U	0.0033 J	0.0045 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.18	0.092	0.12	0.083	0.026 J	0.086	0.22
Mercury	0.2	MG/L	0.0002 U	0.00011 BJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.041 J	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-1	WC-10	WC-10_WC-11	WC-11	WC-12	WC-12_WC-13	WC-13	WC-14
	Sample Date:		05/20/2021	05/11/2021	05/12/2021	05/12/2021	05/13/2021	05/13/2021	05/14/2021	05/15/2021
	Sample Depth (ft bls):		0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.61 J	0.47 J	0.44 J	0.59 J	0.69 J	0.39 J	0.44 J	0.6 J
Cadmium	1	MG/L	0.0083 J	0.0023 J	0.0018 J	0.0044 J	0.004 J	0.02 U	0.02 U	0.0038 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.29	0.017 J	0.05 U	0.085	0.3	0.29	0.05 U	0.059
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-14_WC-15	WC-15	WC-16	WC-16_WC-17	WC-17	WC-18	WC-18	WC-18_WC-19
		Sample Date:	05/15/2021	05/15/2021	05/15/2021	05/16/2021	05/16/2021	05/11/2021	06/04/2021	05/17/2021
		Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	0 - 8	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.32 J	0.47 J	0.6 J	0.62 J	0.58 J	0.55 J	0.61 J	0.53 J
Cadmium	1	MG/L	0.02 U	0.02 U	0.0017 J	0.0017 J	0.0016 J	0.0056 J	0.006 J	0.0028 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.05 U	0.051	0.097	0.14	0.3	0.4	0.28	0.24
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-18_WC-19	WC-19	WC-2	WC-20	WC-20	WC-20	WC-21	WC-21_WC-22
	Sample Date:		05/17/2021	05/13/2021	05/20/2021	05/13/2021	05/20/2021	05/20/2021	06/05/2021	06/07/2021
	Sample Depth (ft bls):		10 - 18	0 - 5	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.032 J	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.46 J	0.65 J	0.37 J	0.57 J	0.36 J	0.62 J	0.48 J	0.28 J
Cadmium	1	MG/L	0.02 U	0.0035 J	0.0071 J	0.0027 J	0.0059 J	0.0023 J	0.0086 J	0.02 U
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.015 J	0.38	0.12	0.15	0.038 J	0.16	0.13	0.05 U
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00012 BJ	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-21_WC-22	WC-22	WC-23	WC-23_WC-24	WC-23_WC-24	WC-24	WC-25	WC-26
		Sample Date:	06/07/2021	06/07/2021	06/03/2021	06/03/2021	06/03/2021	06/02/2021	06/07/2021	06/04/2021
		Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.38 J	0.47 J	0.33 J	0.33 J	0.68 J	0.43 J	0.49 J	0.25 J
Cadmium	1	MG/L	0.02 U	0.0042 J	0.02 U	0.02 U	0.02 U	0.0038 J	0.0083 J	0.0023 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.057	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.05 U	0.14	0.05 U	0.05 U	0.05 U	0.025 J	0.072	0.03 J
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WC-27	WC-28	WC-29	WC-3	WC-30	WC-4	WC-5	WC-6	WC-6_WC-7
	Sample Date:		05/17/2021	05/18/2021	05/18/2021	05/04/2021	05/17/2021	05/04/2021	05/05/2021	05/05/2021	05/06/2021
	Sample Depth (ft bls):		0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units									
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.48 J	0.56 J	0.57 J	0.37 J	0.48 J	0.51 J	0.51 J	0.39 J	0.38 J
Cadmium	1	MG/L	0.0023 J	0.0037 J	0.0066 J	0.02 U	0.0056 J	0.0024 J	0.0024 J	0.02 U	0.0073 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.044 J	0.16	0.19	0.015 J	0.085	0.15	0.018 J	0.05 U	0.077
Mercury	0.2	MG/L	0.0002 U	0.0002 U	9.4E-05 BJ	0.0002 U	0.0002 U	9.1E-05 J	0.0002 U	0.00012 J	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-7	WC-8	WC-8_WC-9	WC-9	WCR-1	WCR-10	WCR-11	WCR-12	WCR-13
		Sample Date:	05/06/2021	05/06/2021	05/10/2021	05/10/2021	05/23/2021	05/28/2021	05/28/2021	05/28/2021	06/01/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	0 - 5	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units									
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.018 J
Barium	100	MG/L	0.52 J	0.46 J	0.39 J	0.42 J	0.38 J	0.6 J	0.39 J	0.25 J	0.35 J
Cadmium	1	MG/L	0.02 U	0.0021 J	0.02 U	0.02 U	0.02 U	0.0043 J	0.02 U	0.02 U	0.02 U
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.05 U	0.051	0.023 J	0.05 U	0.096	**15.8**	0.084	0.05 U	0.03 J
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.00018 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

	Sample Designation:		WCR-14	WCR-15	WCR-17	WCR-2	WCR-3	WCR-4	WCR-5	WCR-6	WCR-7
	Sample Date:		06/01/2021	06/02/2021	06/04/2021	05/23/2021	05/23/2021	05/23/2021	05/26/2021	05/26/2021	05/26/2021
	Sample Depth (ft bls):		0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units									
Arsenic	5	MG/L	0.017 J	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.46 J	0.33 J	0.53 J	0.41 J	0.28 J	0.33 J	0.32 J	0.37 J	0.32 J
Cadmium	1	MG/L	0.02 U	0.02 U	0.0018 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.02 J	0.05 U	0.038 J	1.5	0.026 J	0.052	0.068	0.017 J	0.05 U
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 11. Summary of TCLP Metals in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-8	WCR-9	WL-1	WL-2	WL-3	WL-4	WL-5	WL-6
		Sample Date:	05/27/2021	05/27/2021	06/08/2021	06/08/2021	06/09/2021	06/09/2021	06/10/2021	06/10/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Arsenic	5	MG/L	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Barium	100	MG/L	0.3 J	0.44 J	0.71 J	0.69 J	0.44 J	0.6 J	0.27 J	0.39 J
Cadmium	1	MG/L	0.02 U	0.0022 J	0.02 U	0.0019 J	0.0027 J	0.0078 J	0.0019 J	0.0037 J
Chromium, Total	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Lead	**5**	MG/L	0.046 J	0.03 J	0.023 J	0.12	0.17	0.11	0.012 J	0.077
Mercury	0.2	MG/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	5	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10	SP-2_WC-11_12_13	SP-3_WC-14
		Sample Date:	05/14/2021	06/11/2021	06/07/2021	06/08/2021	06/07/2021
		Sample Depth (ft bls):	0 - 2	0 - 2	-	-	-
Parameter	USEPA Regulatory Levels (mg/L)	Units					
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 UT	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 UT	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

			Sample Designation:	SP-4_WC-14_15	SP-5_WC-16-17	WC-1	WC-10	WC-10_WC-11	WC-11
			Sample Date:	06/08/2021	06/08/2021	05/20/2021	05/11/2021	05/12/2021	05/12/2021
			Sample Depth (ft bls):	-	-	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L		0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L		0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-12	WC-12_WC-13	WC-13	WC-14	WC-14_WC-15	WC-15	WC-16
		Sample Date:	05/13/2021	05/13/2021	05/14/2021	05/15/2021	05/15/2021	05/15/2021	05/15/2021
		Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 UT	0.083 UT
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 UT	0.083 UT
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-16_WC-17	WC-17	WC-18	WC-18	WC-18_WC-19	WC-18_WC-19	WC-19
		Sample Date:	05/16/2021	05/16/2021	05/11/2021	06/04/2021	05/17/2021	05/17/2021	05/13/2021
		Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	0 - 8	5 - 10	10 - 18	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 UT	0.083 UT	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 UT	0.083 UT	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-2	WC-20	WC-20	WC-20	WC-21	WC-21_WC-22	WC-21_WC-22
		Sample Date:	05/20/2021	05/13/2021	05/20/2021	05/20/2021	06/05/2021	06/07/2021	06/07/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5	5 - 10	10 - 18
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-22	WC-23	WC-23_WC-24	WC-23_WC-24	WC-24	WC-25	WC-26
		Sample Date:	06/07/2021	06/03/2021	06/03/2021	06/03/2021	06/02/2021	06/07/2021	06/04/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-27	WC-28	WC-29	WC-3	WC-30	WC-4	WC-5
		Sample Date:	05/17/2021	05/18/2021	05/18/2021	05/04/2021	05/17/2021	05/04/2021	05/05/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 UT	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 UT	0.083 UT
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 UT	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 UT	0.083 UT
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

			Sample Designation:	WC-6	WC-6_WC-7	WC-7	WC-8	WC-8_WC-9	WC-9	WCR-1
			Sample Date:	05/05/2021	05/06/2021	05/06/2021	05/06/2021	05/10/2021	05/10/2021	05/23/2021
			Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units								
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 UT	0.083 U	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 UT	0.083 U	0.083 U	0.083 U	0.083 UT	0.083 UT	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-10	WCR-11	WCR-12	WCR-13	WCR-14	WCR-15	WCR-17
		Sample Date:	05/28/2021	05/28/2021	05/28/2021	06/01/2021	06/01/2021	06/02/2021	06/04/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-2	WCR-3	WCR-4	WCR-5	WCR-6	WCR-7	WCR-8
		Sample Date:	05/23/2021	05/23/2021	05/23/2021	05/26/2021	05/26/2021	05/26/2021	05/27/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.00011 J	0.005 U	0.005 U

Table 12. Summary of TCLP Pesticides and Herbicides in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-9	WL-1	WL-2	WL-3	WL-4	WL-5	WL-6
		Sample Date:	05/27/2021	06/08/2021	06/08/2021	06/09/2021	06/09/2021	06/10/2021	06/10/2021
		Sample Depth (ft bls):	0 - 8	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units							
2,4-D (Dichlorophenoxyacetic Acid)	10	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 UT	0.083 UT
Endrin	0.02	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Gamma Bhc (Lindane)	0.4	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlor Epoxide	0.008	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methoxychlor	10	MG/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Silvex (2,4,5-TP)	1	MG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Toxaphene	0.5	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	CA-1	CA-2	SP-1_WC-8_9_10	SP-2_WC-11_12_13	SP-3_WC-14
		Sample Date:	05/14/2021	06/11/2021	06/07/2021	06/08/2021	06/07/2021
		Sample Depth (ft bls):	0 - 2	0 - 2	-	-	-
Parameter	USEPA Regulatory Levels (mg/L)	Units					
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.12	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.2 U	5.3 U	5.3 U	5.2 U	5.3 U
pH	--	PH UNITS	5.3	5.2	5.3	5.4	5.3
Total Solids	--	MG/L	108	138	86	101	32

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	SP-4_WC-14_15	SP-5_WC-16-17	WC-1	WC-10	WC-10_WC-11	WC-11
		Sample Date:	06/08/2021	06/08/2021	05/20/2021	05/11/2021	05/12/2021	05/12/2021
		Sample Depth (ft bls):	-	-	0 - 5	0 - 5	5 - 10	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units						
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	10 U	13.8
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.066 J	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.3 U	5.3 U	3.8 J	2.8 J	8	14.9
pH	--	PH UNITS	5.2	5.3	5.2	6	6.4	5.4
Total Solids	--	MG/L	77	89	99	239	146	96

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-12	WC-12_WC-13	WC-13	WC-14	WC-14_WC-15	WC-15	WC-16
		Sample Date:	05/13/2021	05/13/2021	05/14/2021	05/15/2021	05/15/2021	05/15/2021	05/15/2021
		Sample Depth (ft bls):	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	12.8	10 U	11.5	10 U	14.1	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.052 J	0.14	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
pH	--	PH UNITS	5.5	5.7	6.5	5.4	5	5.4	5.2
Total Solids	--	MG/L	100	140	86	87	66	78	65

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-16_WC-17	WC-17	WC-18	WC-18	WC-18_WC-19	WC-18_WC-19
		Sample Date:	05/16/2021	05/16/2021	05/11/2021	06/04/2021	05/17/2021	05/17/2021
		Sample Depth (ft bls):	5 - 10	0 - 5	0 - 5	0 - 8	5 - 10	10 - 18
Parameter	USEPA Regulatory Levels (mg/L)	Units						
COD - Chemical Oxygen Demand	--	MG/KG	10 U	14.4	10 U	10 U	37	10.9
Nitrogen, Ammonia (As N)	--	MG/L	0.17	0.1 U	0.1 U	0.084 J	0.068 J	0.18
Oil & Grease, Total Rec	--	MG/L	1.8 J	5.2 U	2 J	5.3 U	2.1 J	1.9 J
pH	--	PH UNITS	5.2	5.3	5.2	5.2	5.2	5.2
Total Solids	--	MG/L	57	78	136	273	110	97

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-19	WC-2	WC-20	WC-20	WC-20	WC-21	WC-21_WC-22
		Sample Date:	05/13/2021	05/20/2021	05/13/2021	05/20/2021	05/20/2021	06/05/2021	06/07/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	13.1	10 U	10 U	12.6	23.8	10 U	10.3
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.14	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.3 U	2.3 J	28.1	1.8 J	1.6 J	5.2 U	5.3 U
pH	--	PH UNITS	5.3	5.2	5.6	5.8	5	5.3	5
Total Solids	--	MG/L	87	161	77	381	96	201	143

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-21_WC-22	WC-22	WC-23	WC-23_WC-24	WC-23_WC-24	WC-24
		Sample Date:	06/07/2021	06/07/2021	06/03/2021	06/03/2021	06/03/2021	06/02/2021
		Sample Depth (ft bls):	10 - 18	0 - 5	0 - 5	5 - 10	10 - 18	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units						
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.3 U	5.3 U	1.8 J	1.5 J	2.1 J	2.1 J
pH	--	PH UNITS	5	5.2	6.8	5	5.2	5.2
Total Solids	--	MG/L	78	211	284	144	107	210

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-25	WC-26	WC-27	WC-28	WC-29	WC-3	WC-30
		Sample Date:	06/07/2021	06/04/2021	05/17/2021	05/18/2021	05/18/2021	05/04/2021	05/17/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	10 U	10 U	14.1
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	3.2 J	1.7 J	3.2 J	2 J	1.6 J	99.9 U	7.6
pH	--	PH UNITS	5.2	5	5.2	5.5	5.6	6.2	5.5
Total Solids	--	MG/L	154	223	81	68	87	93	105

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-4	WC-5	WC-6	WC-6_WC-7	WC-7	WC-8	WC-8_WC-9
		Sample Date:	05/04/2021	05/05/2021	05/05/2021	05/06/2021	05/06/2021	05/06/2021	05/10/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	10 U	27	10 U	42.8	14.1	14.4	14.8
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.64	0.1 U	0.1 U	0.054 J
Oil & Grease, Total Rec	--	MG/L	100 U	1.9 J	3 J	2.2 J	2.3 J	1.8 J	2.2 J
pH	--	PH UNITS	5.4	6.1	6.7	6.3	6.5	5.5	6
Total Solids	--	MG/L	10 U	102	148	167	184	124	290

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WC-9	WCR-1	WCR-10	WCR-11	WCR-12	WCR-13	WCR-14
		Sample Date:	05/10/2021	05/23/2021	05/28/2021	05/28/2021	05/28/2021	06/01/2021	06/01/2021
		Sample Depth (ft bls):	0 - 5	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	11.5	15.5	10 U	28.4	10 U	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	2.3 J	5.6 U	2.4 J	2.4 J	1.9 J	2.8 J	3 J
pH	--	PH UNITS	6.6	5.1	5.1	5.1	4.9	5	5
Total Solids	--	MG/L	123	145	141	294	123	195	145

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WCR-15	WCR-17	WCR-2	WCR-3	WCR-4	WCR-5	WCR-6
		Sample Date:	06/02/2021	06/04/2021	05/23/2021	05/23/2021	05/23/2021	05/26/2021	05/26/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	2.3 J	5.2 U	5.6 U	1.9 J	5.6 U	1.9 J	5.4 U
pH	--	PH UNITS	5	5.4	5	6	5	5.1	4.9
Total Solids	--	MG/L	159	211	111	108	167	129	103

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

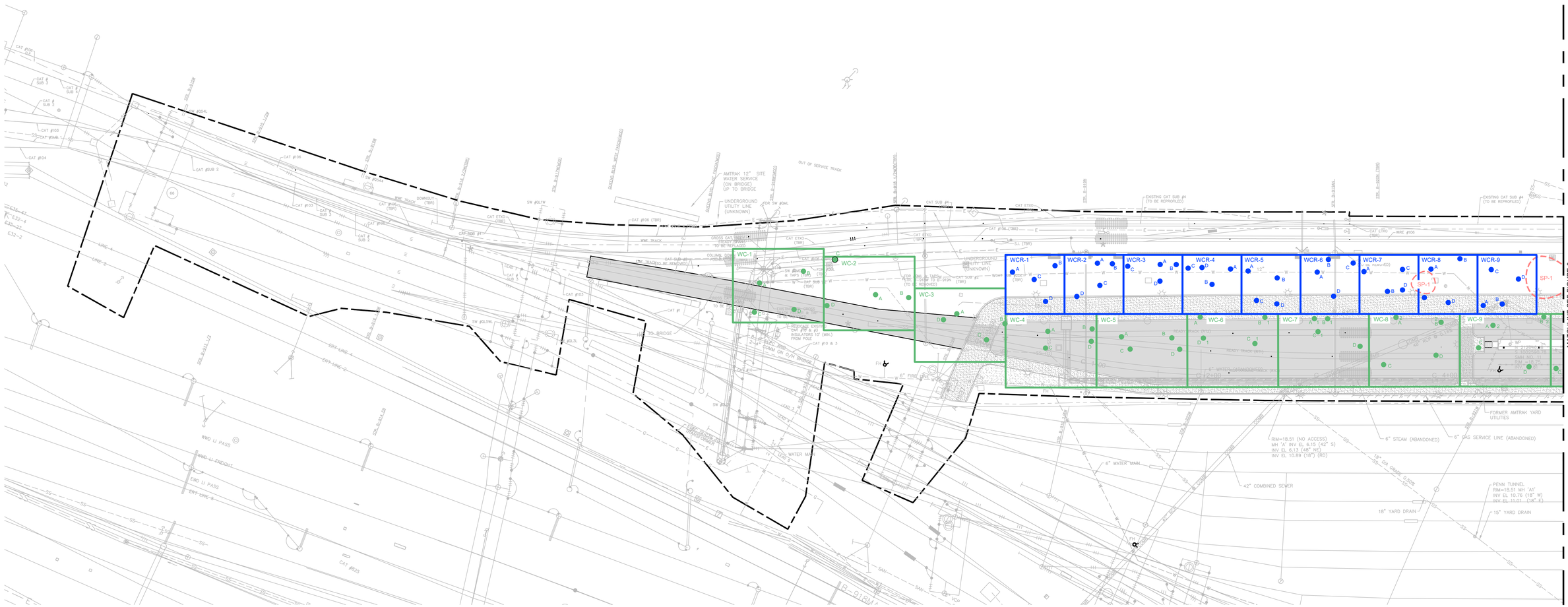
		Sample Designation:	WCR-7	WCR-8	WCR-9	WL-1	WL-2	WL-3	WL-4
		Sample Date:	05/26/2021	05/27/2021	05/27/2021	06/08/2021	06/08/2021	06/09/2021	06/09/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 8	0 - 10	0 - 10	0 - 10	0 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units							
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U	10 U	10 U	19	10 U	11.9
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.15	0.079 J	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.4 U	2 J	2.2 J	5.3 U	5.3 U	5.3 U	5.2 U
pH	--	PH UNITS	4.9	5	5.7	4.9	5	5	5.1
Total Solids	--	MG/L	113	95	126	60	113	84	177

Table 13. Summary of TCLP General Chemistry in Soil, Sunnyside Yard Acela 21 / Ready Tracks

		Sample Designation:	WL-5	WL-6
		Sample Date:	06/10/2021	06/10/2021
		Sample Depth (ft bls):	0 - 10	0 - 10
Parameter	USEPA Regulatory Levels (mg/L)	Units		
COD - Chemical Oxygen Demand	--	MG/KG	10 U	10 U
Nitrogen, Ammonia (As N)	--	MG/L	0.1 U	0.1 U
Oil & Grease, Total Rec	--	MG/L	5.3 U	5.3 U
pH	--	PH UNITS	4.9	5.7
Total Solids	--	MG/L	76	124

FIGURES

1. Soil Characterization Sampling Locations Grid Cell Blocks 1 and 2
2. Soil Characterization Sampling Locations Grid Cell Block 3
3. Soil Characterization Sampling Locations Grid Cell Blocks 4 and 8
4. Soil Characterization Sampling Locations Grid Cell Block 7
5. Soil Characterization Sampling Locations Grid Cell Block 9
6. Deep Characterization Sampling Locations Grid Cell Blocks 1 and 2
7. Deep Characterization Sampling Locations Grid Cell Block 3
8. Deep Characterization Sampling Locations Grid Cell Blocks 4 and 8



LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–8 FT BLS INTERVAL
- WC-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WCR-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- STOCKPILE BOUNDARY

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5–10 FT BLS AND/OR 10–18 FT BLS SAMPLE INTERVALS.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 1 AND BLOCK 2

ACELA 21/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y107.01.DWG		

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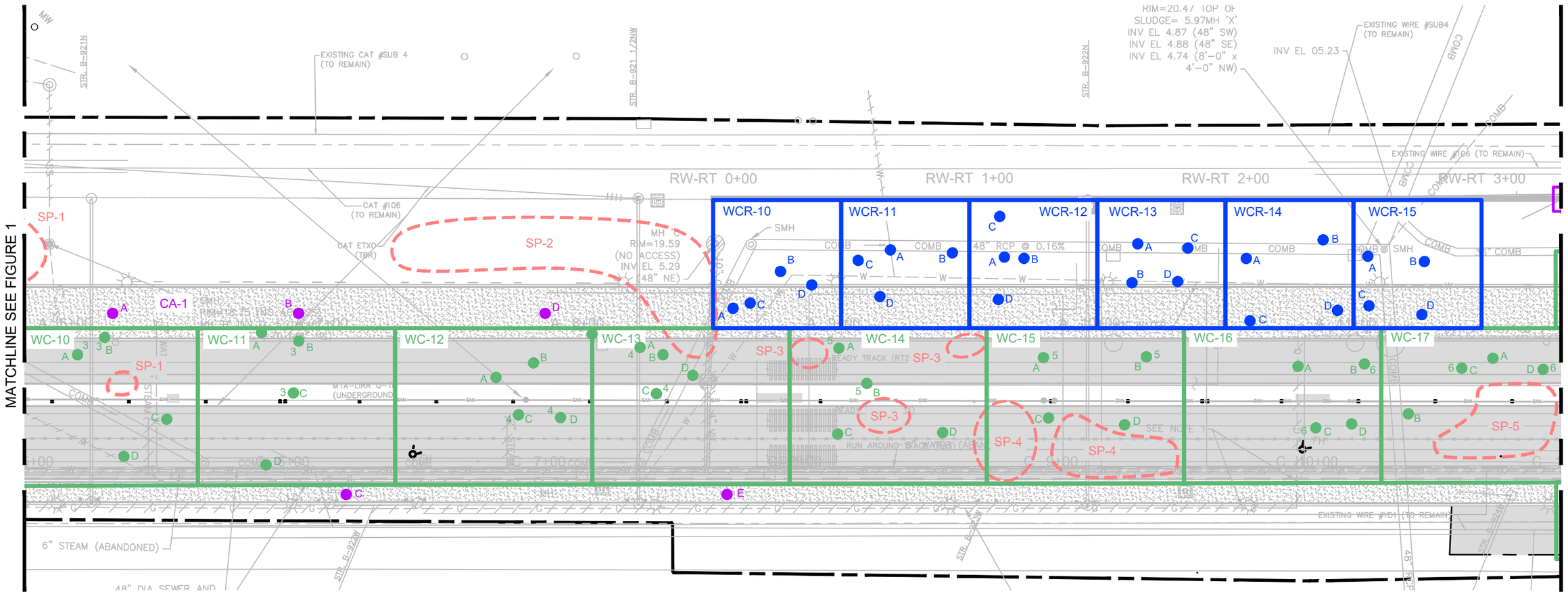

LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5-10 FT BLS AND/OR 10-18 FT BLS SAMPLE INTERVALS.
4. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
5. FT BLS – FEET BELOW LAND SURFACE

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-8 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-2 FT BLS INTERVAL (SOIL FROM EACH SOIL BORING WAS COMPOSITED INTO ONE SAMPLE)
- WC-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WCR-1: LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- CA-1: LOCATION AND DESIGNATION OF SHALLOW WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 2 FT BLS)
- STOCKPILE BOUNDARY

40' 0 40'

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 3

ACELA 21/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	2
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y107.01.DWG		

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WC-30
WC-29
WC-18
WC-19
WC-20
WC-28
WC-27
WC-21
WC-22
WC-23
WC-24
WC-25
WC-26
WCR-16
WCR-17
CA-2
WL-1
WL-2
WL-3
WL-4
MATCHLINE SEE FIGURE 3
MATCHLINE SEE FIGURE 4
RIM=13.08
(6" x 6" VAULT NO ACCESS)
INV=9.7 (E)
INV=9.7 (S)
INV=9.7 (C)
EXISTING SWITCH TO REMAIN
EXISTING WIRE #106 (TO REMAIN)
18" SEWER
COUVE
EXISTING SWITCH TO REMAIN
EXISTING WIRE #105 (TO REMAIN)
WATER SERVICE LINE TO SOUTH SIDE OF BOILER HOUSE
EXISTING COLUMNS, DOWN CURB & FOUNDATIONS (TO REMAIN)
EXISTING WIRE #101
24" SEWER
UTILITY SERVICE TUNNEL
RIM=05.03
MH "X2"
SMH
SWBYS
6" WATER (ABANDONED)
EXTENT OF 6" SITE WATER MAIN NOT KNOWN
RIM=05.03
MH "X3"
18"
EXISTING #101
EXISTING #102
EXISTING #103
EXISTING #104
EXISTING CAT #106 (TO BE REPROFILED)
EXISTING CAT #106 (TO REMAIN)
EXISTING #107
EXISTING #108
EXISTING #109
EXISTING #110
EXISTING #111
EXISTING #112
EXISTING #113
EXISTING #114
EXISTING #115
EXISTING #116
EXISTING #117
EXISTING #118
EXISTING #119
EXISTING #120
EXISTING #121
EXISTING #122
EXISTING #123
EXISTING #124
EXISTING #125
EXISTING #126
EXISTING

LEGEND

MAJOR CONTOUR	RETAINING WALL
MINOR CONTOUR	UNDERDRAIN
STORM SEWER	FLOW DIRECTION
COMBINE SEWER	CATENARY FOUNDATION
MANHOLE	SIGNAL LINE
WATER MAIN	COMMUNICATION LINE
ELECTRICAL LINE	LIMIT OF CONSTRUCTION
TELECOM LINE	LINE
SANITARY	DRAINAGE CHANNEL
SANITARY FORCE MAIN	
GAS	
FIRE HYDRANT	
PROPERTY LINE	
CONCRETE PAVEMENT	
GRADE CROSSING	
BALLAST	
ASPHALT PAVEMENT	
TRACK CENTERLINE	

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–10 FT BLS INTERVAL
- WL-4 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WATER LINE (APPROXIMATE)

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. COMPOSITE SAMPLES FROM GRID CELLS WL-1 THROUGH WL-6 WERE COLLECTED FROM THE 0–10 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 7

ACELA 21/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	4
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y107.01.DWG		

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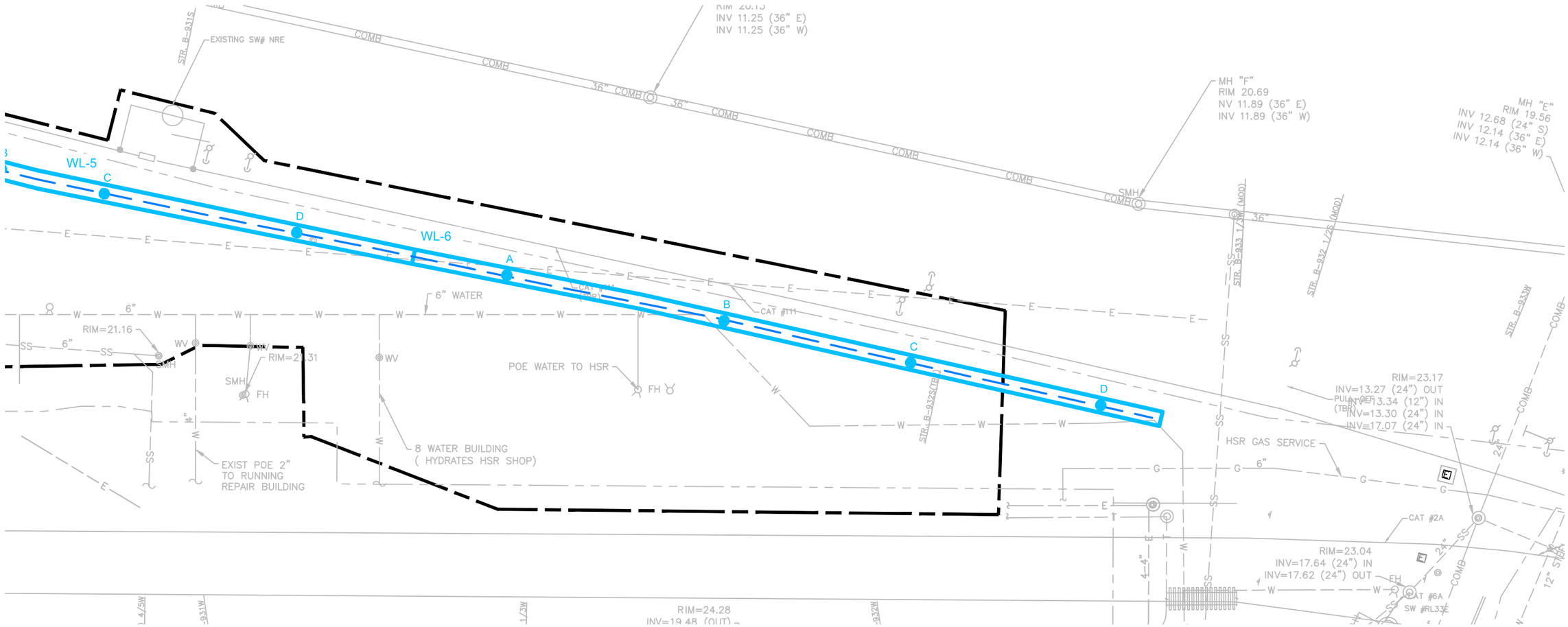

LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION
- LINE
- DRAINAGE CHANNEL

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–10 FT BLS INTERVAL
- WL-5 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WATER LINE (APPROXIMATE)

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. COMPOSITE SAMPLES FROM GRID CELLS WL-1 THROUGH WL-6 WERE COLLECTED FROM THE 0–10 FT BLS SAMPLE INTERVAL.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

Title:

SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 9

ACELA 21/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	5
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y107.01.DWG		

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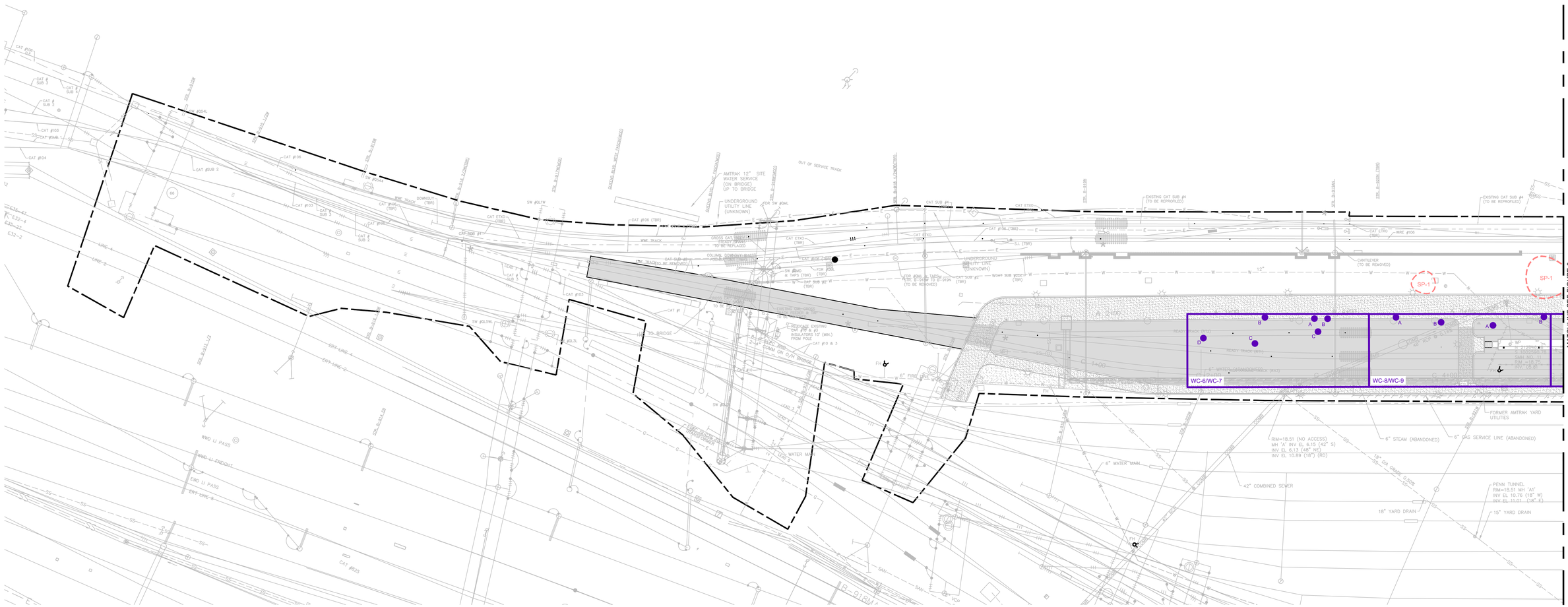

LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

KEY

- LOCATION OF SOIL BORINGS WITH SAMPLES COLLECTED FROM THE 5–10 FT BLS INTERVAL
- WC-6/WC-7 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- STOCKPILE BOUNDARY

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. IN GRID CELLS WC-6 AND WC-7, THREE BORINGS WERE COMPLETED. REFUSAL WAS ENCOUNTERED FOR TWO BORINGS AND A THIRD BORING WAS NEEDED TO COLLECT A 5–10 FT BLS SAMPLE INTERVAL IN THESE GRID CELLS.
3. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
4. FT BLS – FEET BELOW LAND SURFACE

40' 0 40'

Title:

DEEP SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 1 AND BLOCK 2

ACELA 21/READY TRACKS

Prepared For:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: J.W.	Project: 0055.0148Y000
File: 0055.0148Y107.01.DWG	

FIGURE 6

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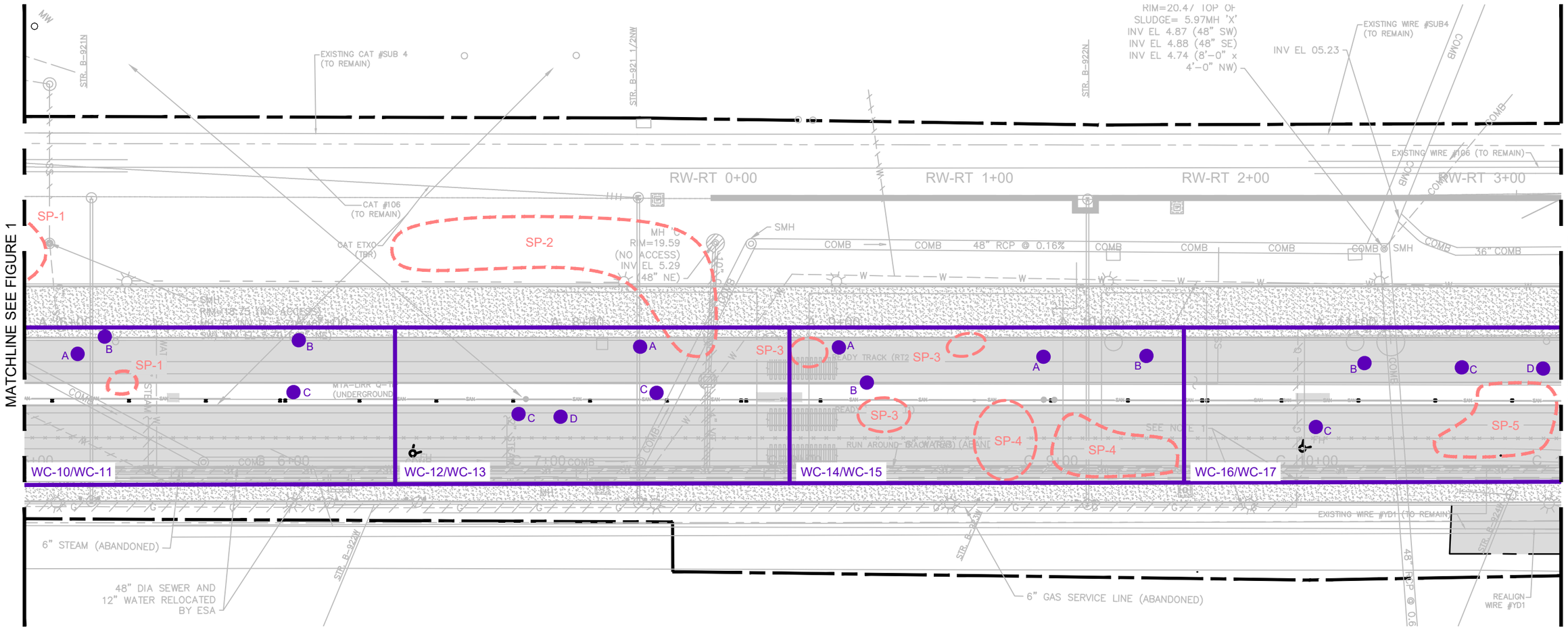

LEGEND

10	MAJOR CONTOUR
10.5	MINOR CONTOUR
	STORM SEWER
	COMBINE SEWER
	MANHOLE
W W	WATER MAIN
E E	ELECTRICAL LINE
C C	TELECOM LINE
SAN	SANITARY
FM FM	SANITARY FORCE MAIN
GAS GAS	GAS
	FIRE HYDRANT
	PROPERTY LINE
	CONCRETE PAVEMENT
	GRADE CROSSING
	BALLAST
	ASPHALT PAVEMENT
	TRACK CENTERLINE
	RETAINING WALL
	UNDERDRAIN
	FLOW DIRECTION
	CATENARY FOUNDATION
SIG SIG	SIGNAL LINE
C C	COMMUNICATION LINE
	LIMIT OF CONSTRUCTION
	LINE
	DRAINAGE CHANNEL

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
3. FT BLS – FEET BELOW LAND SURFACE

KEY

- LOCATION OF SOIL BORINGS WITH SAMPLES COLLECTED FROM THE 5–10 FT BLS INTERVAL
- WC-6/WC-7 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- STOCKPILE BOUNDARY

N

40' 0 40'

Title:

DEEP SOIL CHARACTERIZATION SAMPLING LOCATIONS GRID CELL BLOCK 3

ACELA 21/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: B.H.	Date: 22JUN21	FIGURE 7
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y107.01.DWG		

V:\CAD\PROJECTS\0055\Y0148Y\107\0055.0148Y107.01.DWG

WC-18/WC-19
WC-20
WC-21/WC-22
WC-23/WC-24
MATCHLINE SEE FIGURE 3
WATER SERVICE LINE TO SOUTH WALL OF BOILER HOUSE
EXISTING BEAM, COLUMN, & FOUNDATION (TO REMAIN)
EXISTING CAT #10K (TO BE REPROFILED)
EXISTING CAT #10K (TO REMAIN)
EXISTING #101
EXISTING #101 O.H.
CAT #10K (TO REMAIN)
CAT #10K (TO BE REPROFILED)
6" WATER (ABANDONED)
EXTENT OF 6" SITE WATER MAIN NOT KNOWN
24" SEWER
UTILITY SERVICE TUNNEL
18" SEWER
12" SEWER (FORMER ENGINE SHOP SITE CONNECTION)
8" SEWER (FORMER MACHINE SHOP SITE CONNECTION)
ABANDONED
AERIAL BOUND WIRES
RETAINING WALL
MH "X" RIM 14.53 INV 7.63 (X2" E) INV 7.33 (X2" W)
RIM=13.98 (6' x 6' VAULT NO ACCESS)
RIM=05.03 MH "X2"
RIM=05.82 MH "X3"
SMH
SWBYS
EXISTING SWBYS TO REMAIN
EXISTING WIRE #106 (TO REMAIN)
EXISTING #101 (TO BE REMOVED)
REMAINING COLUMN OF SUPPORT TO BE RAISED
EXISTING CAT #10K (TO REMAIN)
EXISTING #101
CAT #10K (TO BE REMOVED)
CAT #10K (TO REMAIN)
EXISTING #101 O.H.
ELEVATION 0'-0"
STA 10+00
STA 11+00
STA 12+00
STA 13+00
STA 14+00
STA 15+00
STA 16+00
STA 17+00
STA 18+00
STA 19+00
STA 20+00
STA 21+00
STA 22+00
STA 23+00
STA 24+00
STA 25+00
STA 26+00
STA 27+00
STA 28+00
STA 29+00
STA

APPENDICES

A. Soil Boring Logs
B. Photographic Log
C. Laboratory Analytical Reports

APPENDIX A

Soil Boring Logs

WC-01A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Light brown, fine to medium SAND, some Silt, Gravel, Brick, Concrete, and Glass (fill); moist.			0.0	Precleared to 5 ft bls.
2			Brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.0	Grab soil sample WC-1A (0-2) collected for VOC/TCLP VOC analyses.
3	MIXD						
4							Composite sample WC-1 (0-5) was a composite of soil from WC-1A through WC-1D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-01B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Light brown, fine to medium SAND, some Silt, Gravel, Brick, Concrete, and Glass (fill); moist.			0.0	Precleared to 5 ft bls.
2			Brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.0	
3	MIXD						
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-01C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, some Silt, Concrete, Gravel, and Slag (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
1							
2						0.0	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-01D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
1			Brown, fine to coarse SAND and GRAVEL, some Silt; moist.			0.0	Precleared to 5 ft bls.
2	SWG			G	5		
3			Grey, medium to coarse GRAVEL, some fine to coarse Sand and Silt; moist.			0.0	
4	GWS						

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-02A/MW-89R

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/19/2021 - 5/19/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
15 feet	2-inch PVC	5-15 feet	20-Slot	Morie #2	Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flush Mount J-Plug	MIXD		Greyish brown, fine to coarse SAND, GRAVEL, and CONCRETE, some Silt, trace brick (fill); moist.			0.0	Precleared to 5 ft bls.
	Bentonite	MIXD		Grey, fine to medium SAND and fine to coarse GRAVEL, some Concrete and Silt (fill); moist.	G	5	0.0	
	#2 Morie Sand							
	2" PVC Riser							
5		SW		Light brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.		4	0.0	Composite sample WC-2 (0-5) was a composite of soil from WC-2A through WC-2D and analyzed for full waste characterization parameters.
		SWG		Dark brown, fine to coarse SAND, some fine to coarse Gravel and Silt; wet.			0.0	
10	2" PVC Screen					4	0.0	
	Bottom Plug							

Bottom of borehole at 15 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-02B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, medium to coarse SAND, little Silt, Gravel, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
2						0.0	
			Light brown, fine to medium SAND, trace gravel, slag, and concrete (fill); moist.	G	5		
3	MIXD						
4							
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-02C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
2						0.0	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WC-02D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
1			Brown, fine to coarse SAND and GRAVEL, some Asphalt, Concrete, Silt, trace metal and glass (fill); moist.			0.0	Precleared to 5 ft bls.
2	MIXD			G	5		
3			Brown, fine to coarse SAND and GRAVEL, some Concrete and Silt, trace metal (fill); moist.			0.0	Grab soil sample WC-2D (3-5) collected for VOC/TCLP VOC analyses.
4	MIXD						
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-03A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.			0.0	Precleared to 5 ft bls.
1							Grab soil sample WC-3A (0-2) collected for VOC/TCLP VOC analyses.
						2.3	
2				G	5		
3	MIXD		Light brown, fine to medium SAND, some Silt, trace gravel and concrete (fill); moist.			0.2	
4	MIXD		Light brown, fine to medium SAND, some Silt, trace gravel and concrete (fill); wet.			0.0	Composite sample WC-3 (0-5) was a composite of soil from WC-3A through WC-3D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-03B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/3/2021 - 5/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, Wood, trace cobble (fill); moist.	G	5	0.0 0.0 0.1 0.0	Precleared to 5 ft bls.
4	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, Wood, trace cobble (fill); wet.			0.0	

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-03C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/3/2021 - 5/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Wood (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
2						0.0	
3			Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Wood (fill); wet.			0.0	
4	MIXD					0.0	

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-03D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
1			Greyish brown, CONCRETE and SLAG (fill).			0.1	Precleared to 5 ft bls.
2	MIXD			G	5	1.6	
3			Brown, fine to coarse SAND, some Cobble (fill); moist.			0.1	
4	MIXD						

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-04A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
			Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.			1.3	
1							
	MIXD			G	5		Grab soil sample WC-4A (1-3) collected for VOC/TCLP VOC analyses.
2						0.1	
3			Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); wet.			0.0	
4	MIXD					0.0	Composite sample WC-4 (0-5) was a composite of soil from WC-4A through WC-4D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-04B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to coarse SAND and GRAVEL, some Silt and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
1			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt (fill); moist.			0.0	
2				G	5	0.0	
3	MIXD					0.0	
4						0.1	

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-04C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/3/2021 - 5/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Brown, fine to coarse SAND, some Gravel, little Brick, Concrete, and Wood (fill); moist.			0.0	
1						0.0	Precleared to 5 ft bls.
	MIXD						
2				G	5		
3			Grey, fine to medium SAND, some Gravel, little Brick and Concrete (fill); moist.			0.0	
4	MIXD					0.0	
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-04D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/3/2021 - 5/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.			0.0	Precleared to 5 ft bls.
2						0.1	
3	MIXD		Grey, fine to medium SAND, some Gravel, trace brick and concrete (fill); moist.	G	5		
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-05A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt and Brick (fill); moist.			0.1	
1			Brown, fine to coarse SAND, some fine to coarse Gravel and Silt (fill); moist.			0.9	Precleared to 5 ft bls.
2	MIXD			G	5		
3			Grey, fine to medium SAND and medium to coarse GRAVEL, some Silt (fill); moist.			4.1	Slight odor.
							Grab soil sample WC-5A (3-5) collected for VOC/TCLP VOC analyses.
4	SWG						Composite sample WC-5 (0-5) was a composite of soil from WC-5A through WC-5D and analyzed for full waste characterization parameters.
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-05B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, fine to medium SAND, some Gravel, little Brick and Concrete (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-05C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt and Brick (fill); moist.			0.1	
1	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt (fill); moist.			0.1	Precleared to 5 ft bls.
2	SM		Grey, fine to medium SAND and SILT, some fine to coarse Gravel; moist.	G	5	0.2	
3						0.0	
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-05D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Brown, fine to coarse SAND, little Gravel, Brick, Concrete, and Wood (fill); moist.			0.0	
1							Precleared to 5 ft bls.
	MIXD						
2				G	5		
3			Greyish brown, fine to coarse SAND, little Gravel, Brick, Concrete, and Wood (fill); moist.			0.1	
4	MIXD						
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-06A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/4/2021 - 5/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt, trace brick (fill); moist.			0.1	
1			Brown, fine to coarse SAND and GRAVEL, some Silt (fill); moist.			0.3	Precleared to 5 ft bls.
2				G	5	0.1	
3	MIXD						Grab soil sample WC-6A (3-5) collected for VOC/TCLP VOC analyses.
4							Composite sample WC-6 (0-5) was a composite of soil from WC-6A through WC-6D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-06B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, little Gravel and Silt, trace cobble, brick, and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
						0.0	
5	SM		Brown, medium to coarse SAND and SILT; moist.			0.0	
	SW-SM		Brown, medium to coarse SAND, some Silt; moist.			0.0	
	OH		Dark grey, CLAY, trace organics (roots); moist.		3	0.0	Slight organic odor.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-06C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 7 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); wet.	G	5	0.0	
5	MIXD		Greyish brown, medium to coarse SAND, some Brick, Concrete, and Wood (fill); wet.		2	3.9	Slight odor. Grab soil sample WC-6C (5-7) collected for VOC/TCLP VOC analyses. Refusal encountered at 7 ft bls.
			Bottom of borehole at 7 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-06D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 7 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Cobble, Brick, Concrete, Wood, and Metal (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some Gravel, Cobble, Brick, Concrete, Wood, and Metal (fill); wet.	G	5	0.1	
5					2		Refusal encountered at 7 ft bls.
			Bottom of borehole at 7 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-07A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/5/2021 - 5/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 7 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
			Brown, fine to coarse SAND, some fine to coarse Gravel and Silt (fill); moist.			0.1	
						0.1	Precleared to 5 ft bls.
						0.3	
	MIXD			G	5		
						0.1	
							Composite sample WC-7 (0-5) was a composite of soil from WC-7A through WC-7D and analyzed for full waste characterization parameters.
5			Greyish brown, fine to coarse SAND, GRAVEL, and BRICK, some Silt (fill); moist.			0.1	
	MIXD				2		Composite sample WC-6_WC-7 (5-10) was a composite of soil from WC-6B, WC-6C, WC-6D, WC-7A, WC-7B, and WC-7C and analyzed for full waste characterization parameters.
							Refusal encountered at 7 ft bls.
			Bottom of borehole at 7 feet				

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WC-07B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/6/2021 - 5/6/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt, trace brick and wood (fill); moist.			0.0	
						0.0	Precleared to 5 ft bls.
	SWG		Grey, fine to medium SAND, some medium to coarse Gravel and Silt; moist.	G	5	0.0	
5						0.0	
	SWG		Grey, fine to medium SAND, some medium to coarse Gravel and Silt; moist.		4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-07C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt (fill); moist.			0.0	
			Greyish brown, fine to medium SAND, some medium to coarse Gravel and Silt (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	MIXD					0.0	
5	MIXD		Greyish brown, medium to coarse SAND and CONCRETE (fill); moist.			1.3	
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Silt (fill); moist.		3	4.8	Slight odor.
	MIXD		Reddish brown, fine to coarse SAND and BRICK, some Silt (fill); moist.			0.6	Odor.
			Bottom of borehole at 8 feet				Refusal encountered at 8 ft bls.

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-07D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt, trace brick and plastic (fill); moist.			0.0	
1			Grey, fine to medium SAND, some fine to coarse Gravel and Silt; moist.			0.1	Precleared to 5 ft bls.
2				G	5	0.0	Grab soil sample WC-7D (1-3) collected for VOC/TCLP VOC analyses.
3	SWG					0.0	
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-08A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 9 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and medium to coarse GRAVEL, some Brick and Silt (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls. Grab soil sample WC-8A (1-3) collected for VOC/TCLP VOC analyses.
			Grey, fine to medium SAND and medium to coarse GRAVEL, some Silt; moist.			0.0	Composite sample WC-8 (0-5) was a composite of soil from WC-8A through WC-8D and analyzed for full waste characterization parameters.
5	MIXD					0.3	
			Reddish brown, fine to coarse SAND, BRICK, and CONCRETE, some Silt (fill); moist.		4	9.3	Composite sample WC-8_WC-9 (5-10) was a composite of soil from WC-8A, WC-8B, WC-9A, and WC-9B and analyzed for full waste characterization parameters. Odor.
	MIXD						Refusal encountered at 9 ft bls.
			Bottom of borehole at 9 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-08B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 9 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Silt (fill); moist.			0.0	
			Grey, fine to medium SAND, some medium to coarse Gravel and Silt; moist.	G	5	0.0	Precleared to 5 ft bls.
	SWG					0.0	
5			Grey, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
	SWG						
			Reddish brown, fine to coarse SAND, BRICK, and CONCRETE, some Wood (fill); moist.		4	2.3	Slight odor.
	MIXD						Refusal encountered at 9 ft bls.
			Bottom of borehole at 9 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-08C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: B. Hildebrand

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
1			Brown, fine to coarse SAND and GRAVEL, some Asphalt, trace wood and silt (fill); moist.			0.0	Slight odor.
2	MIXD			G	5		
3			Brown, fine to coarse SAND and GRAVEL, some Silt; moist.			0.0	
4	GWS						Precleared to 5 ft bls. Composite soil sample WC-8 (0-5) collected.
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-08D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/6/2021 - 5/6/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
			Brown, fine to coarse SAND and GRAVEL, some Silt, trace brick (fill); moist.			0.0	
1	MIXD					0.0	Precleared to 5 ft bls.
2			Grey, fine to medium SAND, some fine to coarse Gravel and Silt; moist.			0.0	
	SWG			G	5		
3			Greyish brown, fine to medium SAND, some coarse Gravel and Silt; moist.			0.0	
4	SWG						
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-09A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/7/2021 - 5/7/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Wood, Brick, and Silt (fill); moist.			0.0	
						0.0	Precleared to 5 ft bls.
			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt (fill); moist.	G	5	0.0	
	MIXD						
5			Brown, fine to coarse SAND, CONCRETE, ASPHALT, BRICK, some Silt (fill); moist.			0.0	Composite sample WC-9 (0-5) was a composite of soil from WC-9A through WC-9D and analyzed for full waste characterization parameters.
	MIXD						
			Brown, fine to medium SAND, CONCRETE, ASPHALT, and BRICK, some Silt (fill); moist.		4	0.0	
	MIXD						

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WC-09B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/10/2021 - 5/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 9 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, Wood, trace cobble (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5						0.0	
	SW-SM		Brown, fine to coarse SAND, some Silt, trace gravel; moist.		4	0.0	Grab soil sample WC-9B (7-9) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 9 feet				Refusal encountered at 9 ft bls.

ROUX STANDARD LOG - 7/1/21 14:21 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-09C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/10/2021 - 5/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
2	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.	G	5	0.1	Slight odor.
3						0.0	Grab soil sample WC-9C (3-5) collected for VOC/TCLP VOC analyses.
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-09D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/10/2021 - 5/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
2	MIXD		Brown, fine to coarse SAND, CONCRETE, ASPHALT, and BRICK, some Silt (fill); moist.	G	5	0.0	
3						0.0	
4	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel; moist.				

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-10A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/11/2021 - 5/11/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); moist.	G	5	0.2 0.0 0.1	Precleared to 5 ft bls. Grab soil sample WC-10A (0-2) collected for VOC/TCLP VOC analyses.
5	MIXD		Brown, fine to coarse SAND, some Brick and Concrete (fill); moist.		4	0.1 0.2	Composite sample WC-10 (0-5) was a composite of soil from WC-10A through WC-10D and analyzed for full waste characterization parameters. Composite sample WC-10_WC-11 (5-10) was a composite of soil from WC-10A, WC-10B, WC-11B, and WC-11C and analyzed for full waste characterization parameters.
	MIXD		Brown, fine to coarse SAND, some Brick and Concrete (fill); wet.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WC-10B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/11/2021 - 5/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete, trace cobble (fill); moist.	G	5	0.0 0.2 0.0	Precleared to 5 ft bls.
5	MIXD		Brown, fine to medium SAND, some Concrete, Brick, and Silt (fill); moist.				
	MIXD		Brown, fine to coarse SAND, some Concrete, Brick, and Silt (fill); moist.				Grab soil sample WC-10B (7-9) collected for VOC/TCLP VOC analyses.
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Brick, Concrete, and Silt (fill); wet.				

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-10C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/10/2021 - 5/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
2	MIXD		Brown, fine to coarse SAND, GRAVEL, CONCRETE, ASPHALT, and BRICK, some Silt (fill); moist	G	5	0.0	
3						0.0	
4	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.				

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-10D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/10/2021 - 5/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1			Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, Asphalt, and Silt (fill); moist.			0.0	Precleared to 5 ft bls.
2	MIXD			G	5	0.0	
3			Brown, fine to coarse SAND and GRAVEL, some Silt; moist.			0.0	Slight odor.
4	SWG						

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-11A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/11/2021 - 5/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete, trace cobble and wood (fill); moist.	G	5	0.1 0.3	Precleared to 5 ft bls. Grab soil sample WC-11A (0-2) collected for VOC/TCLP VOC analyses. Composite sample WC-11 (0-5) was a composite of soil from WC-11A through WC-11D and analyzed for full waste characterization parameters.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-11B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/11/2021 - 5/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 7 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Brick, Concrete, and Silt (fill); moist.	G	5		Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Silt (fill); moist.				
	MIXD		Grey, CONCRETE; dry.		2		Refusal encountered at 7 ft bls.
			Bottom of borehole at 7 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-11C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/12/2021 - 5/12/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt, trace brick (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	
5	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.		4	1.1 3.1 6.8	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-11D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/12/2021 - 5/12/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, medium to coarse SAND, some Gravel, little Brick and Concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
1							
2						0.1	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-12A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/12/2021 - 5/12/2021	Aquifer Drilling & Testing LLC	Hand Auger	4" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
5 feet	Cuttings	24-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to medium SAND, some Brick and Concrete, little Gravel and Cobble (fill); moist.	G	5		Precleared to 5 ft bls.
2							
3							
4							Composite sample WC-12 (0-5) was a composite of soil from WC-12A through WC-12D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-12B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/12/2021 - 5/12/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, some Gravel, Brick, and Concrete (fill); moist.	G	5	0.0 0.1	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

WC-12C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Grey, fine to coarse GRAVEL, some medium to coarse SAND and Silt (fill); moist.	G	5	0.8 0.6	Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, Brick, Concrete, and Silt (fill); moist.		4	2.4 3.0	Slight odor. Grab soil sample WC-12C (6-8) collected for VOC/TCLP VOC analyses.
	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, Brick, Concrete, and Silt (fill); wet.			1.4	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-12D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
			Brown, fine to coarse SAND, some Brick, Concrete, medium to coarse Gravel and Silt (fill); moist.	G	5	0.7 0.4	Grab soil sample WC-12D (0-2) collected for VOC/ TCLP VOC analyses. Slight odor.
5	MIXD					0.4	
	SWG		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt; wet.		4	0.6	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-13A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/13/2021 - 5/13/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND (fill); moist.	G	5	0.1	Composite sample WC-13 (0-5) was a composite of soil from WC-13A through WC-13D and analyzed for full waste characterization parameters.
5	MIXD		Brown to grey, fine to medium SAND, trace gravel and brick (fill); moist.		3	0.1 0.0	Composite sample WC-12_WC-13 (5-10) was a composite of soil from WC-12C, WC-12D, WC-13A, and WC-13C and analyzed for full waste characterization parameters.
	MIXD		Brown to grey, fine to medium SAND, trace gravel and brick (fill); wet.			0.1	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WC-13B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls. Grab soil sample WC-13B (0-2) collected for VOC/ TCLP VOC analyses.
1							
2							
3						0.1	
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-13C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, little Gravel, Brick, Concrete, and Wood, trace cobble (fill); moist.	G	5	0.1 0.1	Precleared to 5 ft bls.
5	MIXD		Grey, fine to coarse SAND, some Brick and Concrete (fill); moist.			0.0	
	SW		Light brown, fine to medium SAND, trace gravel; moist.		3.5	0.2	
	SW		Light brown, fine to medium SAND, trace gravel; wet.			0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-13D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, some Silt and Gravel, trace brick and concrete (fill); moist.	G	5	0.0 0.1	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-14A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to coarse SAND, some Silt, Gravel, Brick, and Concrete (fill); moist.	G	5	1.6 0.1	Precleared to 5 ft bls. Grab soil sample WC-14A (0-2) collected for VOC/TCLP VOC analyses. Precleared to 5 ft bls. Slight odor.
5	SW		Light brown, fine to medium SAND, trace gravel; moist.		2	0.2	Composite sample WC-14 (0-5) was a composite of soil from WC-14A through WC-14D and analyzed for full waste characterization parameters. Composite sample WC-14_WC-15 (5-10) was a composite of soil from WC-14A, WC-14B, WC-15A, and WC-15B and analyzed for full waste characterization parameters.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-14B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, medium to coarse SAND, some Gravel, little Brick, Concrete, and Wood (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.3	
5	SW		Light brown, fine to medium SAND, trace gravel; moist.		3.5	0.0 0.1	
	SW		Light brown, fine to medium SAND, trace gravel; wet.				

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-14C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Silt, and Concrete, trace brick (fill); moist.			0.4	Precleared to 5 ft bls.
2	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.6	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-14D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	SW		Reddish brown, fine to medium SAND, trace gravel; moist.	G	5	0.1	Precleared to 5 ft bls.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-15A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5			Brown, fine to medium SAND; moist.			0.0	Composite sample WC-15 (0-5) was a composite of soil from WC-15A through WC-15D and analyzed for full waste characterization parameters.
	SW				3	0.0	
	SW		Brown, fine to medium SAND; wet.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-15B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Concrete, Brick, and Silt (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, some fine to medium Gravel and Silt, trace brick (fill); moist.			0.0	
5	SW-SM		Light brown, fine to medium SAND, some Silt, trace gravel; moist.		3	0.0	Grab soil sample WC-15B (8-10) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-15C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
1			Grey, fine to coarse SAND, some Gravel, Concrete, and Brick (fill); moist.			0.0	Grab soil sample WC-15C (0-2) collected for VOC/ TCLP VOC analyses.
2	MIXD			G	5		
3							
4			Grey, fine SAND, little Gravel, Concrete, and Brick (fill); moist.			0.0	
	MIXD						

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-15D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-16A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Greyish brown, fine to coarse SAND, some Silt, Gravel, Brick, Concrete, and Wood (fill); moist.			0.2	Precleared to 5 ft bls. Grab soil sample WC-16A (0-2) collected for VOC/ TCLP VOC analyses.
2			Brown, fine to medium SAND, trace gravel; moist.	G	5	0.1	
3	SW						
4							Composite sample WC-16 (0-5) was a composite of soil from WC-16A through WC-16D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-16B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Grey, fine to coarse SAND, some Gravel, Concrete, and Brick (fill); moist.			0.1	Precleared to 5 ft bls.
	SW		Brown, fine to medium SAND, little Gravel; moist.	G	5	0.0	
5	SW		Reddish brown, fine to medium SAND, trace gravel; moist.		3	0.1 0.0	Composite sample WC-16_WC-17 (5-10) was a composite of soil from WC-16B, WC-16C, WC-17C, and WC-17D and analyzed for full waste characterization parameters.
	SW		Reddish brown, fine to medium SAND, trace gravel; wet.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WC-16C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to coarse SAND, little Gravel, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	SW		Brown, fine to coarse SAND, trace gravel; moist.	G	5	0.0	
5	SW		Reddish brown, fine to medium SAND, trace gravel; moist.		4	0.0	
	SW		Reddish brown, fine to medium SAND, trace gravel; wet.			0.1	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-16D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/15/2021 - 5/15/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, trace gravel, brick, and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-17A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Silt and Gravel, little Concrete and Metal (fill); moist.	G	5	0.1 0.1	Precleared to 5 ft bls. Grab soil sample WC-17A (0-2) collected for VOC/ TCLP VOC analyses. Composite sample WC-17 (0-5) was a composite of soil from WC-17A through WC-17D and analyzed for full waste characterization parameters.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-17B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Dark brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
2			Dark brown, fine to medium SAND, trace gravel, brick, and concrete (fill); moist.	G	5	0.0	
3	MIXD						
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-17C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 9 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, trace brick and concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
5						0.1	
	MIXD		Dark brown, medium to coarse SAND, trace brick, concrete, and gravel (fill); moist.		4	0.0	Refusal encountered at 9 ft bls.

Bottom of borehole at 9 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-17D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD		Dark brown, fine to medium SAND, some Silt and Gravel, trace brick and concrete (fill); moist.	G	5	0.1	
5	MIXD		Greyish brown, fine to coarse SAND, some Brick and Concrete (fill); dry.		3	0.1	Grab soil sample WC-17D (5-7) collected for VOC/TCLP VOC analyses.
	MIXD		Grey, CONCRETE and BRICK, some fine to coarse Sand (fill); dry.			0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-18 Excavation

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: RCC	Drill Type:	Sampler Type/Method: Operator
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter:	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
1							Composite soil sample WC-18 (0-5) was collected from four locations within excavation and analyzed for full waste characterization parameters.
2						0.1	Grab soil sample WC-18A (0-2) collected from excavation for VOC/TCLP VOC analyses.
	MIXD			G	5		
3							
4							
			Bottom of test pit at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-18A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 18 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete, trace cobble (fill); moist.	G	5	0.0 0.1	Precleared to 5 ft bls.
5	MIXD		Dark brown, fine to coarse SAND, BRICK, and CONCRETE, trace gravel (fill); moist.		2	0.1	Composite sample WC-18_WC-19 (5-10) was a composite of soil from WC-18A, WC-18B, WC-19A, and WC-19B and analyzed for full waste characterization parameters.
10	SW		Brown to grey, fine to medium SAND, trace silt; wet.		4	0.2	Grab soil sample WC-18A (10-12) collected for VOC/TCLP VOC analyses.
15					3	0.1	Composite sample WC-18_WC-19 (10-18) was a composite of soil from WC-18A, WC-18B, WC-19A, and WC-19B and analyzed for full waste characterization parameters.

Bottom of borehole at 18 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-18B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/16/2021 - 5/16/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 18 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
5	MIXD		Dark brown, fine to medium SAND, little Gravel, Brick, and Concrete (fill); moist.		2	0.1 0.2	
10	SM		Light brown to reddish brown, fine SAND and SILT; moist.		4	0.1 0.0 0.2	
15	SM		Light brown to reddish brown, fine SAND and SILT; wet.		3	0.0	

Bottom of borehole at 18 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-19 Excavation

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: RCC	Drill Type:	Sampler Type/Method: Operator
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter:	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to medium SAND, some Gravel, trace concrete and cobble (fill); moist.	G	5	2.0	Precleared to 5 ft bls. Grab soil sample WC-19A (0-2) collected for VOC/TCLP VOC analyses. Composite soil sample WC-19 (0-5) was collected from four locations within excavation and analyzed for full waste characterization parameters.
1							
2							
3							
4							

Bottom of test pit at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-19A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 9 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some Gravel, trace concrete and cobble (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5						0.1	
			Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Silt (fill); moist.			0.1	
	MIXD				4	0.3	Refusal encountered at 9 ft bls.
			Bottom of borehole at 9 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-19B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some Gravel, trace concrete and cobble (fill); moist.	G	5	2.0	Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, Concrete, Brick, and Silt (fill); moist.		3	0.4 0.6	Grab soil sample WC-19B (6-8) collected for VOC/TCLP VOC analyses.
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt, and Concrete (fill); moist.			2.4	Refusal encountered at 8 ft bls.
			Bottom of borehole at 8 feet				

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WC-20 Excavation

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: RCC	Drill Type:	Sampler Type/Method: Operator
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter:	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Silt and Gravel, trace cobble and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls. Grab soil sample WC-20A (0-2) collected for VOC/TCLP VOC analyses. Composite soil sample WC-20 (0-5) was collected from four locations within excavation and analyzed for full waste characterization parameters.
2							
3							
4							

Bottom of test pit at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-20A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 4 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Concrete, and Silt, trace brick (fill); moist.	G	4	0.0	Precleared to 5 ft bls.
1							
2							
3							Refusal encountered at 4 ft bls.

Bottom of borehole at 4 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-20B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/19/2021 - 5/19/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Concrete, and Silt, trace brick (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt, trace concrete (fill); moist.		4	1.6 15.3	
	MIXD		Light brown, fine to coarse SAND, some medium to coarse Gravel, Concrete, and Brick (fill); moist.			24.1	Refusal encountered at 10 ft bls.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-20C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/18/2021 - 5/18/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Silt and Gravel, trace cobble and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, BRICK, and CONCRETE, some fine to medium Gravel and Silt (fill); moist.			0.6	
	MIXD		Dark brown, fine to coarse SAND and ASPHALT (fill); moist.		4	0.8	Slight odor.
	MIXD		Brown, fine to coarse SAND, some coarse Gravel and Silt (fill); moist.			1.8	Grab soil sample WC-20C (8-10) collected for VOC/TCLP VOC analyses.
10	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Silt, trace brick (fill); moist.			7.1	
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.		4	1.6	Refusal encountered at 15 ft bls.
			Bottom of borehole at 15 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-20D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/18/2021 - 5/18/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD	Brown, fine to coarse SAND, some Silt and Gravel, trace cobble and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5	MIXD	Brown, fine to coarse SAND, some fine to medium Gravel, Silt, and Concrete (fill); moist.		4	0.2	Composite sample WC-20 (5-10) was a composite of soil from WC-20B through WC-20D and analyzed for full waste characterization parameters.
	MIXD	Dark brown, fine to coarse SAND, some fine to medium Gravel, Brick, Concrete, and Asphalt (fill); moist.			11.0	Odor.
	MIXD	Brown, fine to coarse SAND and CONCRETE, some Silt (fill); moist.			3.6	Slight odor.
10	MIXD	Brown, fine to coarse SAND, some Concrete, Gravel and Silt (fill); moist.		4	21.2	Slight odor.
	SW	Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			98.6	Composite sample WC-20 (10-18) was a composite of soil from WC-20B through WC-20D and analyzed for full waste characterization parameters.
	SWG	Brown, fine to coarse SAND and GRAVEL, some Silt; wet.			199.9	Odor. Odor, staining. Grab soil sample WC-20D (13-15) collected for VOC/TCLP VOC analyses.
15	SWG	Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.		4	124.2	Odor.
	SWG	Light brown, fine to coarse SAND and GRAVEL, some Silt; wet.			112.3	Odor.
		Bottom of borehole at 20 feet				

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WC-21A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/5/2021 - 6/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 3 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 3 ft bls.
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, trace concrete and cobble (fill); moist.			0.2	
1			Brown, fine to coarse SAND, some Silt, little Asphalt, trace cobble (fill); moist.			0.0	Grab soil sample WC-21B (1-3) collected for VOC/ TCLP VOC analyses.
				G	3		Composite sample WC-21 (0-5) was a composite of soil from WC-21A through WC-21D and analyzed for full waste characterization parameters.
2	MIXD						Refusal encountered at 3 ft bls.

Bottom of borehole at 3 feet

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WC-21B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/5/2021 - 6/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 3 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 3 ft bls.
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, little Silt, trace cobble (fill); moist.			0.3	
1			Brown, fine to coarse SAND, little Silt, trace asphalt and cobble (fill); moist.	G	3	0.1	
2	MIXD						Refusal encountered at 3 ft bls.
			Bottom of borehole at 3 feet				

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WC-21C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/5/2021 - 6/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH	ASPHALT.			0.1	
	MIXD	Dark brown, fine to coarse SAND, some Asphalt, little Silt, trace cobble (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD	Brown, fine to coarse SAND, some Silt, trace concrete (fill); moist.	G	5	0.0	
5	MIXD	Brown, fine to coarse SAND, little Silt, trace cobble and concrete (fill); moist.			0.0	
	MIXD	Brown, fine to coarse SAND, some Concrete, little Silt, trace cobble (fill); moist.		4	0.0	
10	SW-SM	Brown, fine to coarse SAND, some Silt, little Cobble; moist.			0.0	
	SW	Brown, fine to coarse SAND, little Silt, trace cobble; wet.		4	0.0	
15	SW	Brown, fine to coarse SAND, little Silt, trace gravel; wet.			0.0	
	SP	Brown, coarse SAND, trace cobble; wet.		4	0.0	

Bottom of borehole at 20 feet

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WC-21D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/5/2021 - 6/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH	ASPHALT.			0.2	
	MIXD	Dark brown, fine to coarse SAND, some Asphalt, trace cobble (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD	Brown, fine to coarse SAND, little Silt, trace concrete (fill); moist.	G	5		
5	MIXD	Brown, fine to coarse SAND, some Silt, trace cobble and concrete (fill); moist.			0.0	Grab soil sample WC-21D (6-8) collected for VOC/TCLP VOC analyses.
	SP-SM	Brown, fine SAND, some Silt, trace clay; moist.		4	0.0	
	SW-SM	Brown, fine to coarse SAND, some Silt, trace cobble; moist.			0.0	
10	SW	Brown, fine to coarse SAND, little Silt, trace gravel; moist.		0.5	0.0	
15	SP	Brown, coarse SAND, trace cobble; wet.		4	0.0	
		Bottom of borehole at 20 feet				

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WC-22A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/7/2021 - 6/7/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
18 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to coarse SAND and GRAVEL, some Silt, Brick, Slag, and Concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
	MIXD		Dark brown, fine to coarse SAND, some Silt, Slag, and fine to coarse Gravel (fill); moist.			0.1	
5	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.		4	0.0	Composite sample WC-22 (0-5) was a composite of soil from WC-22A through WC-22D and analyzed for full waste characterization parameters. Composite sample WC-21_WC-22 (5-10) was a composite of soil from WC-21C, WC-21D, WC-22A, and WC-22D and analyzed for full waste characterization parameters.
	SW-SM		Light brown, fine to coarse SAND, some Silt, trace coarse gravel; moist.			0.0	
10	SWG		Brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			0.0	
	SWG		Brown, fine to medium SAND, some medium to coarse Gravel and Silt; wet.		4	0.0	Composite sample WC-21_WC-22 (10-18) was a composite of soil from WC-21C, WC-21D, WC-22A, and WC-22D and analyzed for full waste characterization parameters.
	SWG					0.0	
15	SWG		Brown, fine to coarse SAND, some coarse Gravel and Silt, trace clay; wet.		3	0.0	
			Bottom of borehole at 18 feet				

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WC-22B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1			Dark brown, fine to coarse SAND and GRAVEL, some Silt and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
2	MIXD			G	5		
3			Brown, fine to medium SAND, some Silt, trace coarse Gravel (fill); moist.			0.1	
4	MIXD						

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-22C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
1			Brown, fine to coarse SAND and GRAVEL, some Silt, Brick, and Concrete (fill); moist.			0.1	Grab soil sample WC-22C (1-3) collected for VOC/TCLP VOC analyses.
2	MIXD			G	5	0.1	
3			Brown, fine to medium SAND, some fine to medium Gravel and Silt (fill); moist.			0.0	
4	MIXD						

Bottom of borehole at 5 feet

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WC-22D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 18 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt, Wood, Brick, and Concrete (fill); moist.	G	5	0.2 0.1	Precleared to 5 ft bls.
	MIXD		Brown, fine to medium SAND, some fine to coarse Gravel and Silt (fill); moist.			0.1	
5	SW		Light brown, fine to medium SAND, trace silt and gravel; moist.		2	0.0 0.0	
10	SW		Light brown, fine to medium SAND, trace silt and gravel; wet.			0.0	
			Light brown, fine SAND and SILT; wet.		4	0.0	
15	SM				3	0.0	Grab soil sample WC-22D (15-17) collected for VOC/TCLP VOC analyses.

Bottom of borehole at 18 feet

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WC-23A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/2/2021 - 6/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD	Brown, fine to coarse SAND, little Gravel, Brick, and Concrete (fill); moist.	G	5	0.1 0.2	Precleared to 5 ft bls.
5	MIXD	Dark brown, fine to coarse SAND, trace brick (fill); moist.		4	0.0	Composite sample WC-23 (0-5) was a composite of soil from WC-23A through WC-23D and analyzed for full waste characterization parameters. Grab soil sample WC-23A (6-8) collected for VOC/TCLP VOC analyses.
	SW	Brown, fine to coarse SAND, trace cobble; wet.			0.0	Composite sample WC-23_WC-24 (5-10) was a composite of soil from WC-23A, WC-23C, WC-24A, and WC-24C and analyzed for full waste characterization parameters.
10	SW-SM	Brown, fine to coarse SAND, some Silt, trace cobble; wet.		4	0.0	Composite sample WC-23_WC-24 (10-18) was a composite of soil from WC-23A, WC-23C, WC-24A, and WC-24C and analyzed for full waste characterization parameters.
15				4	0.0	
20		Bottom of borehole at 20 feet				

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WC-23B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some Gravel, trace brick, concrete, and slag (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
1							
2							
3							
4							

Bottom of borehole at 5 feet

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WC-23C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/2/2021 - 6/2/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD	Brown, fine to medium SAND and GRAVEL (fill); moist.			0.0	
		Brown, fine to coarse SAND, little Gravel, trace brick, concrete, and metal (fill); moist.	G	5	0.2	Precleared to 5 ft bls.
	MIXD				0.2	
5					0.0	
	MIXD	Brown, fine to medium SAND, some Silt, trace fine gravel (fill); moist.		4		
	MIXD	Dark brown, fine to coarse SAND, some fine to medium Gravel, Silt, Brick, Concrete, and Slag (fill); moist.			0.0	
10					0.0	
	SM	Brown, fine to medium SAND and SILT, trace fine gravel; wet.				
		Dark brown, fine to coarse SAND, some fine Gravel and Silt; wet.		4	0.1	
	SW					Grab soil sample WC-23C (13-15) collected for VOC/TCLP VOC analyses.
15					0.0	
	SWG	Brown, fine to coarse SAND and GRAVEL, some Silt; moist.			0.0	
		Brown, fine to medium SAND and SILT, some fine to medium Gravel; moist.		4		
	SM					

Bottom of borehole at 20 feet

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WC-23D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some Gravel, trace brick, concrete, and slag (fill); moist.	G	5	0.2	Precleared to 5 ft bls.
1							Grab soil sample WC-23D (1-3) collected for VOC/TCLP VOC analyses.
2						0.2	
3							
4							
			Bottom of borehole at 5 feet				

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WC-24A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some medium to coarse Gravel, Silt, Brick, and Concrete, trace metal (fill); moist.			0.1	
			Brown, fine to medium SAND, some Silt; moist.			0.0	Precleared to 5 ft bls.
	SW-SM			G	5		
			Brown, fine SAND and SILT, trace fine gravel; moist.			0.0	
	SM						Composite sample WC-24 (0-5) was a composite of soil from WC-24A through WC-24D and analyzed for full waste characterization parameters.
5			Light brown, fine SAND and SILT; moist.			0.0	
	SM						
			Light brown, fine to medium SAND, some fine Gravel and Silt; moist.			0.0	
	SW				3		
			Light brown, fine to medium SAND, some fine Gravel and Silt; wet.			0.1	
	SW						Refusal at 8 ft bls.
			Bottom of borehole at 8 feet				

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WC-24B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 5 ft bls.
1			Brown, fine to medium SAND and SILT, some coarse Gravel, Slag, and Concrete (fill); moist.			0.1	Grab soil sample WC-24B (1-3) collected for VOC/TCLP VOC analyses.
2	MIXD			G	5		
3			Light brown, fine SAND and SILT, trace coarse gravel; moist.			0.0	
4	SM						

Bottom of borehole at 5 feet

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WC-24C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/2/2021 - 6/2/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to medium SAND, some coarse Gravel, Concrete, and Silt (fill); moist.			0.1	Precleared to 5 ft bls.
	SWG		Brown, fine to medium SAND, some coarse Gravel and Silt; moist.	G	5	0.0	
	SM		Light brown, fine SAND and SILT, trace fine to medium gravel; moist.			0.0	
5							
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.		4	0.5	
						0.2	
10							
	SWG		Light brown, fine to coarse SAND and fine to medium GRAVEL; wet.			0.2	
	SWG		Dark brown, fine to coarse SAND and fine to medium GRAVEL; wet.		4	0.2	
	SWG		Brown, fine to coarse SAND and medium to coarse GRAVEL, some coarse Gravel and Silt; wet.			0.2	
15							
	SWG		Light brown, fine to coarse SAND, some Gravel and Silt; moist.		4	0.0	
			Bottom of borehole at 20 feet				

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WC-24D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
2	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.0	
3							
4							

Bottom of borehole at 5 feet

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WC-25A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	CONC		CONCRETE.				Precleared to 5 ft bls.
2	MIXD		Brown, fine to medium SAND, little Gravel, Silt, Brick, and Concrete (fill); moist.	G	5	0.0	
3							
4							Composite sample WC-25 (0-5) was a composite of soil from WC-25A through WC-25D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-25B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Dark brown, fine to medium SAND, some Gravel, Slag, Brick, and Concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-25C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
1	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick, Concrete, and Slag (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-25D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/7/2021 - 6/7/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 5 ft bls.
1	MIXD		Dark brown, fine to coarse SAND, some Gravel, little Brick, Concrete, and Slag (fill); moist.	G	5	0.1	Grab soil sample WC-25D (1-3) collected for VOC/TCLP VOC analyses.
2							
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-26A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, trace concrete (fill); moist.			0.4	
1			Brown, fine to coarse SAND, little Silt, trace concrete (fill); moist.			0.1	Precleared to 5 ft bls.
2				G	5		
3	MIXD						
4							Composite sample WC-26 (0-5) was a composite of soil from WC-26A through WC-26D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-26B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, trace concrete (fill); moist.			0.0	
1			Brown, fine to coarse SAND, little Silt, trace concrete (fill); moist.			0.0	Precleared to 5 ft bls.
2				G	5		
3	MIXD						
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-26C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, trace concrete (fill); moist.			0.3	Grab soil sample WC-26C (1-3) collected for VOC/TCLP VOC analyses.
1			Brown, fine to coarse SAND, little Silt, trace concrete (fill); moist.			0.6	
2				G	5		
3	MIXD					0.1	
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-26D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to coarse SAND, some Asphalt, trace concrete (fill); moist.			0.2	
1			Brown, fine to coarse SAND, little Silt, trace concrete (fill); moist.			0.0	Precleared to 5 ft bls.
2				G	5		
3	MIXD						
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-27 Excavation

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: RCC	Drill Type:	Sampler Type/Method: Operator
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter:	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some Silt and Gravel, trace cobble and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls. Grab soil sample WC-27A (0-2) collected for VOC/TCLP VOC analyses. Composite soil sample WC-27 (0-5) was collected from four locations within excavation and analyzed for full waste characterization parameters.
1							
2							
3							
4							

Bottom of test pit at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-28 Excavation

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/13/2021 - 5/13/2021	Contractor: RCC	Drill Type:	Sampler Type/Method: Operator
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter:	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Silt and Gravel, trace cobble and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls. Grab soil sample WC-28A (0-2) collected for VOC/TCLP VOC analyses. Composite soil sample WC-28 (0-5) was collected from four locations within excavation and analyzed for full waste characterization parameters.
2							
3							
4							

Bottom of test pit at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-29A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, little Silt, Gravel, Brick, and Concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
2						0.0	
3							
4							Composite sample WC-29 (0-5) was a composite of soil from WC-29A through WC-29D and analyzed for full waste characterization parameters.

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-29B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/17/2021 - 5/17/2021	Aquifer Drilling & Testing LLC	Hand Auger	4" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
5 feet	Cuttings	24-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Silt (fill); moist.			0.1	
1	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt, trace brick (fill); moist.			0.1	Precleared to 5 ft bls.
2	SW		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.	G	5	0.2	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-29C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/18/2021 - 5/18/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
1	MIXD		Light brown, fine to medium SAND, some Silt, little Gravel, Brick, and Concrete (fill); moist.				Grab soil sample WC-29C (0-2) collected for VOC/TCLP VOC analyses.
2						0.0	
	MIXD		Brown, fine SAND and SILT, trace brick and concrete (fill); moist.	G	5		
3							
4							
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

WC-29D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/18/2021 - 5/18/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Light brown, fine to medium SAND, some Gravel, Brick, Metal, Wood, and Concrete (fill); dry.			0.0	Precleared to 5 ft bls.
2	MIXD		Greyish brown, fine to medium SAND, some Gravel, Brick, Metal, Wood, and Concrete (fill); dry.	G	5	0.0	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-30A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Silt (fill); moist.			0.0	
1	MIXD						Precleared to 5 ft bls.
2			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.	G	5	0.1	
3	SWG					0.1	
4							Composite sample WC-30 (0-5) was a composite of soil from WC-30A through WC-30D and analyzed for full waste characterization parameters.
5			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

WC-30B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Light brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); dry.			0.0	Precleared to 5 ft bls.
1	MIXD						Grab soil sample WC-30B (3-5) collected for VOC/TCLP VOC analyses.
2			Brown, fine to coarse SAND, little Gravel, Brick, and Concrete (fill); moist.	G	5	0.1	
3	MIXD						
4							
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-30C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
1							
2						0.1	
3							
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WC-30D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/17/2021 - 5/17/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0			Brown, fine to coarse SAND, some fine to coarse Gravel, Concrete, and Brick (fill); moist.			0.0	
1							Precleared to 5 ft bls.
	MIXD						
2				G	5		
3			Brown, fine to coarse SAND and GRAVEL, some Concrete and Silt, trace brick (fill); moist.			0.1	
4	MIXD						
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 7/1/21 14:22 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-01A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, medium to coarse CONCRETE, some fine to coarse Sand and Silt, trace brick (fill); moist.	G	5		Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			0.0	
5	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.		4	0.0	Composite sample WCR-1 (0-8) was a composite of soil from WCR-1A through WCR-1D and analyzed for full waste characterization parameters.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-01B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, medium to coarse CONCRETE, some fine to coarse Sand and Silt, trace brick (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.				
5						0.0	
	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.		4		
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-01C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to coarse SAND, some Gravel, Brick, Concrete, and Wood (fill); moist.	G	5	0.0	Grab soil sample WCR-1C (3-5) collected for VOC/TCLP VOC analyses.
5	SW		Brown, fine to coarse SAND, some fine Gravel and Silt; moist.			12.7	Odor.
	SWG		Brown, fine to coarse SAND, some coarse Gravel and Silt; moist.		3	25.6	Odor.
	SWG		Brown, fine to coarse SAND, some coarse Gravel and Silt; wet.			6.3	Odor.
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-01D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Wood, Brick, and Concrete (fill); dry.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.		4	32.9 13.9	Odor. Odor.
	CL		Grey, CLAY; moist.			5.8	
	GWS		Brown, fine to coarse SAND and GRAVEL; wet.			2.6	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-02A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); dry.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, trace gravel and slag (fill); moist.	G	5	0.0	Composite sample WCR-2 (0-8) was a composite of soil from WCR-2A through WCR-2D and analyzed for full waste characterization parameters.
5	SW-SM		Light brown, fine to medium SAND, some Silt, trace gravel; moist.		3	0.0	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-02B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Greyish brown, fine to medium SAND, some Silt, Gravel, Brick, and Ceramic Tile (fill); dry.				Precleared to 5 ft bls.
	MIXD		Dark brown, fine to medium SAND, trace gravel, cobble, and concrete (fill); moist.	G	5	0.0	
5	SW		Light brown, fine to medium SAND, trace gravel and silt; moist.		3	0.0	

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-02C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/20/2021 - 5/20/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); dry.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.0	
5	SW-SM		Light, fine to medium SAND, some Silt, trace gravel; moist.		3	0.0	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-02D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to medium SAND, some Silt, Gravel, Brick (fill); moist.			0.0	
			Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls. Grab soil sample WCR-2D (1-3) collected for VOC/TCLP VOC analyses.
	MIXD			G	5		
5			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	
	SWG				4		
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-03A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, GRAVEL, little fine to medium Sand (fill); dry.			0.0	
			Light brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	MIXD						
5			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	Composite sample WCR-3 (0-8) was a composite of soil from WCR-3A through WCR-3D and analyzed for full waste characterization parameters.
	SWG				4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-03B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/21/2021 - 5/21/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, GRAVEL, trace fine to medium SAND (0-1); dry.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
	SW						
5			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	
	SWG				4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-03C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, GRAVEL and fine to medium SAND (0-1); dry.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
	SW						
5			Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	Grab soil sample WCR-3C (5-7) collected for VOC/TCLP VOC analyses.
	SWG				4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-03D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/23/2021 - 5/23/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.	G	5		
5						0.0	
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.		4		
						0.0	
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-04A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, GRAVEL and fine to medium SAND (fill); dry.			0.0	
			Light brown, fine to medium SAND, some Gravel; moist.			0.0	Precleared to 5 ft bls.
	SW			G	5		
5			Brown, fine to medium SAND, some Gravel and Silt; moist.			0.0	Composite sample WCR-4 (0-8) was a composite of soil from WCR-4A through WCR-4D and analyzed for full waste characterization parameters.
	SWG		Brown, fine to coarse SAND, some Gravel and Silt; wet.			0.0	
					4		
	SWG					0.0	
						0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WCR-04B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/21/2021 - 5/21/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Greyish brown, fine to medium SAND and GRAVEL (fill); dry.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	
5	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.		4	0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-04C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/23/2021 - 5/23/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, fine to medium SAND, some Brick and Silt (fill); moist.				Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, some Brick and Silt (fill); moist.	G	5	0.0	
	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
5	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.			0.0	
	SWG		Brown, fine to coarse SAND, some coarse Gravel and Silt; moist.		4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-04D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/23/2021 - 5/23/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
8 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Silt, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, some fine to medium Gravel and Silt, trace brick (fill); moist.	G	5	0.0	
5	MIXD		Light brown, fine to medium SAND, some fine to medium Gravel and Silt, trace brick (fill); moist.		3		Grab soil sample WCR-4D (5-7) collected for VOC/TCLP VOC analyses.

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-05A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/23/2021 - 5/23/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Brick, and Concrete (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SP		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.			0.0	Composite sample WCR-5 (0-8) was a composite of soil from WCR-5A through WCR-5D and analyzed for full waste characterization parameters.
	SP		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.		4	0.0 0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-05B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/23/2021 - 5/23/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Silt, Concrete, Brick, and Glass (fill); moist.	G	5		Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel and Silt, trace brick (fill); moist.			0.0	
	SP		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.		4	0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-05C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/26/2021 - 5/26/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Light brown to grey, fine to coarse SAND and GRAVEL (fill); dry.			0.0	Precleared to 5 ft bls.
	SW		Light brown, fine to medium SAND, trace gravel; moist.	G	5		
5	SWG		Brown, fine to medium SAND, some coarse Gravel and Silt; moist.		4	0.1 0.2	Grab soil sample WCR-5C (5-7) collected for VOC/TCLP VOC analyses.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-05D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/25/2021 - 5/25/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, GRAVEL, and CONCRETE, some Brick and Silt (fill); moist.			0.0	
	MIXD		Light brown, fine to coarse SAND, some medium to coarse Gravel, Silt, and Brick, trace metal (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5	SWG		Brown, fine to medium SAND, some coarse Gravel and Silt; moist.		4	0.1	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-06A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/23/2021 - 5/23/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Light brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Brick, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.0	
5	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.		4	0.0	Composite sample WCR-6 (0-8) was a composite of soil from WCR-6A through WCR-6D and analyzed for full waste characterization parameters.
			Bottom of borehole at 10 feet			0.0	

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-06B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/23/2021 - 5/23/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Brick, Silt, and Concrete (fill); moist.	G	5	0.0	
						0.0	Precleared to 5 ft bls.
						0.0	
5			Brown, fine to coarse SAND, some fine Gravel and Silt; moist.			9.6	Odor. Grab soil sample WCR-6B (5-7) collected for VOC/TCLP VOC analyses.
	SWG				4	9.0	Odor.
	SWG		Brown, fine to coarse SAND and fine to medium Gravel, some Silt; moist.			3.1	Slight odor.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-06C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/24/2021 - 5/24/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Grey, GRAVEL, BRICK, CONCRETE, some fine to coarse Sand (fill); dry.			0.0	Precleared to 5 ft bls.
	SW		Light brown, fine to medium SAND, trace gravel; moist.	G	5		
5						3.1	
	SW		Light brown, fine to medium SAND, trace gravel; moist.		3		
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-06D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/25/2021 - 5/25/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Dark brown, fine to coarse SAND, some Brick, Concrete, and Slag (fill); moist.				Precleared to 5 ft bls.
	SW		Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	
5	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.		4	0.1	
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.			0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WCR-07A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/25/2021 - 5/25/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.			0.1	Precleared to 5 ft bls.
	SW			G	5		
5			Brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			0.0	Composite sample WCR-7 (0-8) was a composite of soil from WCR-7A through WCR-7D and analyzed for full waste characterization parameters.
	SWG				4		
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-07B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/25/2021 - 5/25/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Asphalt (fill); moist.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
	SW						
5			Brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			0.0	
	SW				4		Grab soil sample WCR-7B (6-8) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-07C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/25/2021 - 5/25/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Asphalt (fill); moist.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
	SW						
5			Brown, fine to medium SAND, some medium to coarse Sand and Silt; moist.			0.0	
	SW				4		

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-07D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/26/2021 - 5/26/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to coarse SAND and GRAVEL, some Concrete and Brick (fill); moist.			0.1	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.1	Precleared to 5 ft bls.
	SW						
5					3	0.0	

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-08A/MW-88T

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/24/2021 - 5/24/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD	Grey, fine to coarse SAND and GRAVEL (fill); dry.			0.0	
		Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
					0.0	
5	SW				0.0	Composite sample WCR-8 (0-8) was a composite of soil from WCR-8A through WCR-8D and analyzed for full waste characterization parameters.
				4		
	GWS	Grey, GRAVEL and fine SAND; moist.			0.0	
10		Brown, fine to medium SAND, some Silt, trace gravel; moist.			0.0	Slight odor.
	SW-SM					Groundwater sample MW-88T collected from 1" PVC temporary groundwater monitoring well via peristalsis pump.
		Greyish brown, fine to medium SAND, some Silt, little Gravel, trace clay; wet.		4.5	0.0	
	SW-SM					
		Bottom of borehole at 15 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-08B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/26/2021 - 5/26/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		ASPHALT and BRICK (fill); dry.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.1	Precleared to 5 ft bls.
	SW						
5					3	0.0	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-08C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/26/2021 - 5/26/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete (fill); moist.			0.0	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
	SW						
5			Brown, fine to medium SAND, some coarse Gravel and Silt; moist.			0.0	Grab soil sample WCR-8C (5-7) collected for VOC/TCLP VOC analyses.
	SWG				4		
			Brown, fine to coarse SAND, some coarse Gravel and Silt; wet.			0.0	
	SWG						
			Dark brown, fine to medium SAND and SILT; moist.			0.0	
	SM						
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-08D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/26/2021 - 5/26/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SW		Brown, fine to medium SAND, trace gravel; moist.	G	5	0.0	Precleared to 5 ft bls.
						0.0	
5			Brown, fine to coarse SAND, some coarse Gravel and Silt; moist.			0.0	
	SWG				4		
			Brown, fine to coarse SAND, some coarse Gravel and Silt; wet.			0.0	
	SWG						

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-09A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.			0.0	Composite sample WCR-9 (0-8) was a composite of soil from WCR-9A through WCR-9D and analyzed for full waste characterization parameters.
5	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.		4	0.0	
			Bottom of borehole at 10 feet				

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WCR-09B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K.Mann

Start to Finish Date: 5/26/2021 - 5/26/2021	Contractor: Aquifer Drilling & Testing	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 4 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, GRAVEL, and CONCRETE, some Brick and Silt (fill); moist.	G	4	0.0	Precleared to 5 ft bls.
2							
3							Refusal encountered at 4 ft bls.

Bottom of borehole at 4 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-09C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 4 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Asphalt, and Concrete (fill); moist.	G	4	0.1	Precleared to 5 ft bls.
1							
2							
3							Refusal at 4 ft bls.

Bottom of borehole at 4 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-09D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Glass (fill); moist.			0.1	
			Brown, fine to coarse SAND, some fine to coarse Gravel, Silt, and Brick (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD			G	5	0.0	
5			Dark brown, fine to medium SAND, some coarse Gravel, Silt and Brick (fill); moist.			0.0	Grab soil sample WCR-9D (5-7) collected for VOC/TCLP VOC analyses.
	MIXD				4		
			Dark brown, fine to medium SAND, some coarse Gravel, Silt and Brick (fill); wet.				
	MIXD						

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-10A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/27/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine SAND, some Silt, gravel, little Brick and Concrete (fill); moist.	G	5	0.2 0.3	Precleared to 5 ft bls. Composite sample WCR-10 (0-8) was a composite of soil from WCR-10A through WCR-10D and analyzed for full waste characterization parameters. Refusal encountered at 4 ft bls.
5	MIXD		Brown, fine to medium SAND, some Silt, trace gravel, brick, and concrete (fill); moist.		1	0.2	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-10B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Light brown, fine to medium SAND, trace gravel, slag, metal, brick, and concrete (fill); moist.	G	5	0.2 0.1	Precleared to 5 ft bls.
5	SM		Light brown, fine SAND and SILT, trace gravel; moist.		3	0.2	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-10C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/27/2021 - 5/27/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
8 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); moist.			1.1	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); moist.	G	5	0.3	
5	SW-SM		Light brown, fine SAND, some Silt, trace gravel; moist.		3	0.2	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-10D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, little Brick and Concrete (fill); moist.	G	5	0.1 0.0	Precleared to 5 ft bls.
5	SW-SM		Brown, fine to medium SAND, some Silt, trace gravel; moist.		3	0.2	Grab soil sample WCR-10D (6-8) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-11A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/28/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Silt (fill); moist.	G	5	2.3	Precleared to 5 ft bls.
5	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, Brick, and Concrete (fill); moist.			0.2	Composite sample WCR-11 (0-8) was a composite of soil from WCR-11A through WCR-11D and analyzed for full waste characterization parameters. Grab soil sample WCR-11A (5-7) collected for VOC/TCLP VOC analyses.
	SM		Light brown, fine to medium SAND and SILT; moist.		4	0.1	
	SWG		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			0.1	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-11B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, Silt, Brick, and Concrete (fill); moist.			2.6	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel and Silt, trace brick (fill); moist.	G	5	2.1	
5	SM		Light brown, fine to medium SAND and SILT, some medium Gravel; moist.		4	0.1	
	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.1	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-11C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/28/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
			Light brown, fine to medium SAND and SILT, trace fine gravel; moist.	G	5	0.1	
5	SM					0.0	
	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.		4	0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-11D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/27/2021 - 5/27/2021	Aquifer Drilling & Testing LLC	Hand Auger	4" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
2 feet	Cuttings	24-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.	G	2	0.1	Refusal encountered at 2 ft bls after 3 attempts.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-12A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/27/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Light brown, fine SAND, some Silt, trace gravel (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
5	MIXD		Light brown, fine SAND and SILT, trace gravel and slag (fill); moist.		3	0.1	Composite sample WCR-12 (0-8) was a composite of soil from WCR-12A through WCR-12D and analyzed for full waste characterization parameters. Grab soil sample WCR-12A (5-7) collected for VOC/TCLP VOC analyses.

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-12B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/27/2021 - 5/27/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SW-SM		Light brown, fine to medium SAND, some Silt, trace gravel; moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SW		Light brown, fine to medium SAND, trace gravel; moist.		3	0.1	

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-12C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/28/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SW		Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SM		Light brown, fine to medium SAND and SILT, trace gravel; moist.		3	0.0	

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-12D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/28/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
			Light brown, fine to medium SAND, trace gravel; moist.			0.0	
	SW			G	5		Precleared to 5 ft bls.
5			Light brown, fine SAND and SILT, trace gravel; moist.			0.0	
	SM				3		

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-13A/MW-87T

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D.Miserendino

Start to Finish Date: 5/24/2021 - 5/24/2021	Contractor: Aquifer Drilling & Testing	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SP	Gray, fine to coarse SAND and GRAVEL; dry				
		Brown, fine to medium SAND, some Silt, trace gravel; moist	G	5	0.0	Precleared to 5 ft bls.
	SP					Composite sample WCR-13 (0-8) was a composite of soil from WCR-13A through WCR-13D and analyzed for full waste characterization parameters.
5					0.0	
		Brown, medium to coarse SAND, some Silt, trace gravel; moist		3.5	0.0	
	SP					
10		Brown, medium to coarse SAND, some Silt, trace gravel; wet				Groundwater sample MW-87T collected from 1" PVC temporary groundwater monitoring well via peristalsis pump.
	SP			0.5	0.0	
		Bottom of borehole at 15 feet				

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WCR-13B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/28/2021 - 5/28/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	
			Light brown, fine to medium SAND, trace gravel; moist.	G	5		Precleared to 5 ft bls.
5	SP					0.0	
					4	0.1	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-13C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/1/2021 - 6/1/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH	ASPHALT.			0.1	
	MIXD	Brown, fine to coarse SAND, some medium to coarse Gravel, Asphalt, Silt, and Brick (fill); moist.				Precleared to 5 ft bls.
	SWG	Light brown, fine to medium SAND, some fine to medium Sand, Gravel and Silt, trace coarse gravel; moist.	G	5	0.1	
5	SWG	Brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.			0.0	Grab soil sample WCR-13C (6-8) collected for VOC/TCLP VOC analyses.
	SWG	Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.		4	0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-13D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/1/2021 - 6/1/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.			0.1	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; moist.	G	5	0.1	
	SWG		Light brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.			0.0	
5	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
	GWS		Brown, fine to coarse GRAVEL and SAND, some Silt; moist.		4		
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-14A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/1/2021 - 6/1/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	
	MIXD		Brown, fine to medium SAND, some medium to coarse Gravel, Silt, and Brick (fill); moist.			0.1	Precleared to 5 ft bls.
	SWG		Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.1	
5	SW		Light brown, fine to medium SAND, trace gravel; moist.		3	0.0	Composite sample WCR-14 (0-8) was a composite of soil from WCR-14A through WCR-14D and analyzed for full waste characterization parameters.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-14B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/1/2021 - 6/1/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, BRICK and CONCRETE, some fine to coarse Sand (fill); dry.			0.6	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, trace gravel, concrete, brick, and slag (fill); moist.	G	5		
5						0.1	
	SW		Light brown, fine to medium SAND, trace gravel; moist.		4		
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-14C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/1/2021 - 6/1/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Light brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	5	1.1	Grab soil sample WCR-14C (1-3) collected for VOC/TCLP VOC analyses. Precleared to 5 ft bls.
5	SW-SM		Light brown, fine to medium SAND, some Silt, trace gravel; moist.		3	0.0	
			Bottom of borehole at 10 feet				

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WCR-14D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/1/2021 - 6/1/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
			Light brown, fine to medium SAND, trace brick, concrete, and gravel (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
5	MIXD				4	0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-15A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/1/2021 - 6/1/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick, Concrete, and Silt (fill); moist.				Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.1	
5	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt, trace coarse gravel; moist.		4	0.2 0.0	Composite sample WCR-15 (0-8) was a composite of soil from WCR-15A through WCR-15D and analyzed for full waste characterization parameters.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:27 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-15B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/2/2021 - 6/2/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	
	MIXD		Brown, fine to coarse SAND, some Asphalt, Brick, and Silt (fill); moist.				Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.	G	5	0.0	
5							
	SW-SM		Brown, fine to medium SAND, some Silt, trace coarse gravel; moist.		4	0.0	Grab soil sample WCR-15B (6-8) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 10 feet				

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ROUX

WCR-15C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/1/2021 - 6/1/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
5	GWS		Brown, fine to coarse GRAVEL and SAND, some Silt; moist.		4	0.0	
			Bottom of borehole at 10 feet				

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WCR-15D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/2/2021 - 6/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt, trace brick (fill); moist.	G	5	0.2	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.1	
5	SWG		Brown, fine to medium SAND, some coarse Gravel and Silt; moist.			0.0	
	SW-SM		Light brown, fine to medium SAND, some Silt, trace coarse gravel; moist.		4	0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-16A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/4/2021 - 6/4/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
6 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
			Dark brown, fine to coarse SAND, some Brick, Concrete, and Silt (fill); moist.			0.3	Precleared to 5 ft bls.
	MIXD			G	5	0.2	Composite sample WCR-16 (0-8) was a composite of soil from WCR-16A through WCR-16D and analyzed for full waste characterization parameters.
5	SW-SM		Dark brown, fine to medium SAND, some Silt, trace coarse gravel; moist.		1		Refusal encountered at 6 ft bls.
			Bottom of borehole at 6 feet				

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WCR-16B

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/4/2021 - 6/4/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Brick, and Concrete (fill); moist.	G	5	0.5	Precleared to 5 ft bls.
	SWG		Brown, fine to medium SAND, some coarse Gravel and Silt; moist.			1.0	Grab soil sample WCR-16B (3-5) collected for VOC/TCLP VOC analyses.
5	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.		4	0.0	
	SM		Brown, fine to medium SAND and SILT, some Clay, trace fine to medium gravel; moist.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-16C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Brick, Concrete, and Plastic (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
	SWG		Dark brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.1	
5	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	
	SWG		Dark brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.		4	0.0	
	SW-SM		Brown, fine to medium SAND, some Silt, trace gravel; moist.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-16D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/4/2021 - 6/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				
	MIXD		Dark brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Concrete, and Brick (fill); moist.	G	5	0.4	Precleared to 5 ft bls.
						0.2	
5	SWG		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.		4	0.0	
						0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-17A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/3/2021 - 6/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD	Dark brown, fine to coarse SAND, some medium to coarse Gravel, Silt, and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD	Brown, fine to coarse SAND and GRAVEL, some Silt (fill); moist	G	5	0.0	Composite sample WCR-17 (0-8) was a composite of soil from WCR-17A through WCR-17D and analyzed for full waste characterization parameters.
5	SM	Light brown, fine SAND and SILT, trace fine gravel; moist.		4	0.0	
	SWG	Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
		Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-17B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/3/2021 - 6/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD	Dark brown, fine to coarse SAND, some medium to coarse Gravel, Silt, and Concrete (fill); moist.			0.2	Grab soil sample WCR-17B (1-3) collected for VOC/TCLP VOC analyses. Precleared to 5 ft bls.
	MIXD	Brown, fine to coarse SAND and GRAVEL, some Silt (fill); moist	G	5	0.0	
5	SM	Light brown, fine SAND and SILT, trace fine gravel; moist.		4	0.0	
	SWG	Brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

WCR-17C

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/3/2021 - 6/3/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt, Concrete, and Plastic (fill); moist.			0.1	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt, trace concrete (fill); moist.	G	5	0.0	
5	SWG		Light brown, fine to medium SAND, some fine to medium Gravel and Silt; moist.			0.0	
	SM		Light brown, fine SAND and SILT, some Clay; moist.		4	0.0	
	SWG		Light brown, fine to coarse SAND, some fine Gravel and Silt; moist.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WCR-17D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: L. Jenkins

Start to Finish Date: 6/3/2021 - 6/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, BRICK and CONCRETE, some fine to coarse Sand (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, trace cobble and brick (fill); moist.	G	5		
5	SW		Light brown, fine to coarse SAND, little Silt, trace clay and cobble; moist.		4	0.0	
	SW-SM		Brown, fine to coarse SAND, some Silt; wet.			0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:28 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-1A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND and SILT, some medium to coarse Gravel, Slag, and Concrete (fill); moist.	G	5	4.6	
						14.6	Slight odor.
							Precleared to 5 ft bls.
							Slight odor.
	SWG		Brown, fine to coarse SAND, some fine Gravel and Silt; moist.			167.3	Odor, staining.
							Composite sample WL-1 (0-10) was a composite of soil from WL-1A through WL-1D and analyzed for full waste characterization parameters.
5			Brown, fine to coarse SAND and GRAVEL, some Silt; wet.			250.2	Odor, slight sheen.
	SWG				4	260.0	Odor, slight sheen.
							Grab soil sample WL-1A (7-9) collected for VOC/TCLP VOC analyses.
						7.9	Odor, slight sheen.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-1B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND and GRAVEL, some Silt (fill); moist.			25.7	Odor.
			Brown, fine to medium SAND, some medium to coarse Gravel; moist.				Precleared to 5 ft bls.
				G	5	76.9	Odor.
	SWG					350.1	Odor.
5			Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.			289.5	Odor, slight sheen.
	SWG				4	64.8	Odor, slight sheen.
						7.2	Odor, slight sheen.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-1C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND and GRAVEL, some Silt and Brick (fill); moist.			9.9	Slight odor. Precleared to 5 ft bls.
	SWG		Brown, fine to medium SAND, some fine to coarse Gravel and Silt; moist.	G	5	16.4	Slight odor.
	SWG		Dark brown, fine to medium SAND, some fine to coarse Gravel and Silt; moist.			73.1	Odor, staining.
5	SWG		Brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.		4	31.2	Odor, slight sheen.
	SWG		Dark brown, fine to coarse SAND, some fine to medium Gravel and Silt; wet.			64.4	Odor, staining.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-1D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SWG		Brown, fine to medium SAND, some medium to coarse Gravel and Silt (fill); moist.	G	5	5.9 10.6	Precleared to 5 ft bls. Slight odor.
	SWG		Dark brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.			16.2	Odor.
5	SWG		Dark brown, fine to coarse SAND, some fine to coarse Gravel and Silt; wet.		4	21.7 23.6 59.9	Odor, slight sheen.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-2A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 7 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, GRAVEL and fine to coarse SAND (fill); moist.			4.2	Odor.
			Brown, fine to coarse SAND; moist.			8.3	Precleared to 5 ft bls.
							Odor.
	SW			G	5		Composite sample WL-2 (0-10) was a composite of soil from WL-2A through WL-2D and analyzed for full waste characterization parameters.
5			Greyish brown, fine to medium SAND, trace silt and gravel; wet.			196.2	Odor.
	SW				2		Grab soil sample WL-2A (5-7) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 7 feet				Refusal encountered at 7 ft bls.

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WL-2B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); wet.	G	5	13.7	
5	SW		Greyish brown, fine to medium SAND, trace gravel; wet.			67.2	Odor.
	SW		Light brown, fine to medium SAND, trace gravel; wet.		4.5	16.2	Slight odor.
			Bottom of borehole at 10 feet				

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ROUX

WL-2C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	SWG	Brown, fine to medium SAND, some Silt and Gravel; dry.			0.1	Precleared to 5 ft bls.
	SWG	Brown, fine to medium SAND, some Silt and Gravel; wet.	G	5	8.7	
5	SW	Greyish brown, fine to medium SAND; wet.			23.5	
	CH	Grey, SILT and CLAY; wet.			16.4	
	SW-SM	Greyish brown, fine to medium SAND, some Silt, trace gravel; wet.		5	94.3	Odor, staining.
		Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-2D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/8/2021 - 6/8/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some Silt, Gravel, Brick, and Concrete (fill); moist.	G	5	0.8 0.0	Precleared to 5 ft bls.
5	SW		Greyish brown, fine to medium SAND; wet.			17.3	
	SM		Greyish brown, fine SAND and SILT, some Clay; wet.			24.6	Odor.
	SW-SM		Greyish brown, fine to medium SAND, some Silt, little Gravel; wet.		4.5	13.8	Odor, slight staining.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-3A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/9/2021 - 6/9/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
6 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Silt, and Brick (fill); moist.			1.2	Slight odor. Precleared to 5 ft bls.
	MIXD		Dark brown, fine to medium SAND, some medium Gravel, Silt, and Wood, trace brick (fill); moist.	G	5	112.5	Odor, staining. Composite sample WL-3 (0-10) was a composite of soil from WL-3A through WL-3D and analyzed for full waste characterization parameters. Grab soil sample WL-3A (4-6) collected for VOC/TCLP VOC analyses.
5	GWS		Brown, fine to coarse SAND and GRAVEL, some Silt; wet.		1	25.9	Odor, staining. Refusal encountered at 6 ft bls.
			Bottom of borehole at 6 feet				

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WL-3B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/9/2021 - 6/9/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse GRAVEL, some medium to coarse Gravel, Silt, and Brick (fill); moist.	G	5	1.3	Precleared to 5 ft bls.
	SWG		Brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			15.6	Slight odor.
5	GWS		Brown, fine to coarse SAND and GRAVEL, some Silt; wet.			25.7	Slight odor.
	SW-SM		Dark grey, fine to medium SAND, some Silt, trace coarse gravel; wet.		4	220.6	Odor, staining, slight sheen.
						221.1	

Bottom of borehole at 10 feet

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WL-3C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/9/2021 - 6/9/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND and GRAVEL, some Silt and Brick (fill); moist.	G	5	2.1	Precleared to 5 ft bls.
						11.3	Slight odor.
5						46.1	Odor.
	SWG		Brown, fine to coarse SAND, some fine to coarse Gravel and Silt; wet.		4		
	SW-SM		Dark grey, fine to medium SAND, some Silt, trace coarse gravel; wet.			176.6	Odor, staining, slight sheen.
			Bottom of borehole at 10 feet				

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WL-3D

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/9/2021 - 6/9/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Silt, Brick, and Concrete (fill); moist.	G	5	6.6	Precleared to 5 ft bls.
						4.8	
5	SWG		Brown, fine to coarse SAND and GRAVEL, some Silt; wet.		4	113.0	Odor.
	GWS		Dark grey, fine to coarse GRAVEL, some medium to coarse Sand, trace silt; wet.			173.2	Odor, staining, slight sheen.

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-4A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/9/2021 - 6/9/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to coarse SAND, some Gravel, trace silt, brick, and concrete (fill); moist.	G	5	1.6 2.2	Precleared to 5 ft bls. Composite sample WL-4 (0-10) was a composite of soil from WL-4A through WL-4D and analyzed for full waste characterization parameters.
5	SW		Grey, fine to medium SAND, trace gravel; wet.			281.4	Odor. Grab soil sample WL-4A (5-7) collected for VOC/TCLP VOC analyses.
	SW-SM		Greyish brown, fine to medium SAND, some Silt, trace gravel; wet.		4	274.6	Odor.
			Bottom of borehole at 10 feet				

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WL-4B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/9/2021 - 6/9/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to medium SAND, some Silt, Gravel, and Brick (fill); moist.			0.2	Precleared to 5 ft bls.
	MIXD		Dark brown, fine to medium SAND, some Silt, Gravel, and Brick (fill); wet.	G	5	3.8	Slight odor.
5	SWG		Brown, fine to medium SAND, some fine to coarse Gravel and Silt; wet.			2.0	Slight odor.
	SW		Grey, fine to medium SAND, little Silt, trace gravel; wet.		5	279.4	Odor.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002.WASTE CHARACTERIZATION.GPJ

WL-4C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/9/2021 - 6/9/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Brown, fine to medium SAND, some Gravel, little Brick and Concrete (fill); moist.	G	5	1.8	Precleared to 5 ft bls.
5						34.6	Odor, staining.
	SW		Dark grey, fine to medium SAND, some Silt and Gravel; wet.		2	22.9	Odor, staining.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-4D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/9/2021 - 6/9/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND, some Brick, Slag, and Gravel (fill); moist.	G	5	3.8	Precleared to 5 ft bls.
5	SW		Light brown, medium to coarse SAND, little Gravel; wet.		3	3.2 2.1	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-5A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/10/2021 - 6/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	CONC		CONCRETE.			0.0	Precleared to 5 ft bls.
	SW		Light brown, fine to medium SAND, little Gravel; moist.	G	5	0.0	
5						0.0	Composite sample WL-5 (0-10) was a composite of soil from WL-5A through WL-5D and analyzed for full waste characterization parameters.
	SW		Light brown, fine to medium SAND, trace coarse sand and gravel; wet.		4.5	0.0	

Bottom of borehole at 10 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-5B/MW-85R2

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/24/2021 - 5/24/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
15 feet	2-inch PVC	3-13 feet	20-Slot	Morie #2	Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flush Mount J-Plug	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls.
	Bentonite	MIXD		Dark brown, fine to coarse GRAVEL, some Asphalt, Concrete, and fine to coarse Sand, Silt (fill); moist.	G	5	0.0	
	#2 Morie Sand 2" PVC Riser	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.0	
5		GWS		Light brown, fine to coarse SAND and GRAVEL, some Silt; wet.		4	1.1 0.2 0.9	
10	2" PVC Screen	GWS		Light brown, medium to coarse SAND and GRAVEL, some fine Sand and Silt; wet.		4	0.4 0.4 0.2	
	Bottom Plug Bentonite			Bottom of borehole at 15 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-5C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/10/2021 - 6/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	SW		Light brown, fine to medium SAND, trace gravel; moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SW		Light brown, fine to medium SAND, trace coarse sand and gravel; moist.		5	0.0 0.0	Grab soil sample WL-5C (5-7) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-5D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/10/2021 - 6/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Light brown, fine to medium SAND, little Brick, Slag, and Gravel (fill); moist.	G	5	0.0 0.0	Precleared to 5 ft bls.
5	SW		Light brown, fine to coarse SAND, trace gravel; wet.			0.0	
	SW		Light brown, fine to medium SAND, trace coarse sand and gravel; wet.		5	0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-6A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/10/2021 - 6/10/2021	Aquifer Drilling & Testing LLC	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
10 feet	Cuttings	3-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to medium SAND, some medium to coarse Gravel, Brick, Silt, and Wood (fill); moist.	G	5	0.1	Precleared to 5 ft bls.
	SWG		Brown, fine to medium SAND, some medium to coarse Gravel and Silt; moist.				Composite sample WL-6 (0-10) was a composite of soil from WL-6A through WL-6D and analyzed for full waste characterization parameters.
5	SWG		Light brown, fine to coarse SAND, some fine to medium Gravel and Silt; moist.			0.0	
	SW-SM		Brown, fine to medium SAND, some Silt, trace fine to medium Gravel; moist.		4	0.0	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-6B/MW-13SR

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/25/2021 - 5/25/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Well Depth: 15 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 3-13 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flush Mount J-Plug	ASPH		ASPHALT.			0.0	
	Bentonite			Light brown, fine to medium SAND, trace gravel; moist.			0.0	Precleared to 5 ft bls.
	#2 Morie Sand 2" PVC Riser	SW			G	5		
5				Brown, fine to coarse SAND, little Gravel; wet.			0.2	
						4	0.2	
	2" PVC Screen	SW						
10							0.2	
				Greyish brown, medium to coarse SAND, some Gravel; wet.		5	3.1	
	Bottom Plug	SWG						
	Bentonite							

Bottom of borehole at 15 feet

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-6C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/10/2021 - 6/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to coarse SAND, some medium to coarse Concrete, Brick, Silt, and Wood (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	MIXD		Light brown, fine to medium SAND, some medium to coarse Gravel and Silt, trace brick (fill); moist.				
5	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; moist.			0.6	Grab soil sample WL-6C (6-8) collected for VOC/TCLP VOC analyses.
	SWG		Reddish brown, fine to coarse SAND, some medium to coarse Gravel and Silt; wet.		4	0.2	
	SWG		Light brown, fine to coarse SAND, some medium to coarse Gravel and Silt; wet.			0.4	
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

WL-6D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 6/10/2021 - 6/10/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
			Brown, fine to medium SAND, some medium to coarse Gravel, Silt, Brick, and Concrete (fill); moist.	G	5	0.0	Precleared to 5 ft bls.
	MIXD						
5			Greyish brown, fine to medium SAND, some Gravel, little Slag and Brick (fill); moist.			0.0	
	MIXD						
			Light brown, fine to coarse SAND, trace gravel; wet.		4	0.0	
	SW						
			Bottom of borehole at 10 feet				

ROUX STANDARD LOG - 7/1/21 14:29 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-1A

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	K. Mann

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
5/14/2021 - 5/14/2021	Aquifer Drilling & Testing LLC	Hand Auger	4" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
2 feet	Cuttings	24-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND and GRAVEL, some Glass, Concrete, Brick, and Silt (fill); moist.	G	2	0.1	Composite sample CA-1 (0-2) was a composite of soil from CA-1A through CA-1E and analyzed for full waste characterization parameters. Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-1B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some medium to coarse Gravel, Silt, Concrete, and Brick (fill); moist.	G	2	0.5 0.3	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-1C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND, some Gravel, Brick, and Concrete, trace silt (fill); moist.	G	2	4.9	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-1D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: K. Mann

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to coarse SAND and GRAVEL, some Brick and Concrete (fill); moist.	G	2	0.0	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-1E

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 5/14/2021 - 5/14/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to medium SAND, some Silt, little Gravel, Brick, and Concrete (fill); moist.				Grab soil sample CA-1E (0-2) collected for VOC/TCLP VOC analyses.
			Bottom of borehole at 2 feet				Precleared to 2 ft bls.

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CA-2A

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/11/2021 - 6/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Light brown, fine to medium SAND, trace gravel and concrete (fill); moist.	G	2	0.0	Composite sample CA-2 (0-2) was a composite of soil from CA-2A through CA-2E and analyzed for full waste characterization parameters. Precleared to 2 ft bls.

Bottom of borehole at 2 feet

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CA-2B

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/11/2021 - 6/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown to dark brown, fine to coarse SAND, some Gravel, trace brick, concrete, and slag (fill); moist.	G	2	0.0	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

CA-2C

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/11/2021 - 6/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Brown, fine to medium SAND, some Gravel, trace concrete, brick, and slag (fill); moist.	G	2	0.0	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

CA-2D

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0148Y002
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: D. Miserendino

Start to Finish Date: 6/11/2021 - 6/11/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 2 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: NM	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Greyish brown, fine to medium SAND, some Gravel, trace concrete and slag (fill); moist.	G	2	0.0	Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

ROUX

CA-2E

Client:	Site:	Project Number:
Amtrak	Sunnyside Yards	0055.0148Y002
Address:	**City/State:**	**Logged By:**
39-29 Honeywell Street	Queens, New York	D. Miserendino

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
6/11/2021 - 6/11/2021	Aquifer Drilling & Testing LLC	Hand Auger	4" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
2 feet	Cuttings	24-inches	
Area:	**Elevation:**	**Northing:**	**Easting:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	MIXD		Dark brown, fine to coarse SAND, some Gravel, little Brick, Slag, Concrete, and Wood (fill); moist.	G	2	0.0	Grab soil sample CA-2E (0-2) collected for VOC/TCLP VOC analyses. Precleared to 2 ft bls.

Bottom of borehole at 2 feet

ROUX STANDARD LOG - 7/1/21 14:19 - S:\GINT\PROJECTS\0055.0148Y002 WASTE CHARACTERIZATION.GPJ

APPENDIX B

Photographic Log

Photograph 1: Soil characteristic of Grid WC-1 (0-5).

Photograph 2: Soil characteristic of Grid WC-2 (0-5).

Photograph 3: Soil characteristic of Grid WC-3 (0-5).

Photograph 4: Soil characteristic of Grid WC-4 (0-5).

Photograph 5: Soil characteristic of Grid WC-5 (0-5).

Photograph 6: Soil characteristic of Grid WC-6 (0-5).

Photograph 7: Soil characteristic of Grid WC-7 (5-7).

Photograph 8: Soil characteristic of Grid WC-7 (0-5).

Photograph 9: Soil characteristic of Grid WC-8 (0-5).

Photograph 10: Soil characteristic of Grid WC-8 (5-10).

Photograph 11: Soil characteristic of Grid WC-9 (5-10).

Photograph 12: Soil characteristic of Grid WC-9 (0-5).

Photograph 13: Soil characteristic of Grid WC-10 (0-5).

Photograph 14: Soil characteristic of Grid WC-10 (5-10).

Photograph 15: Soil characteristic of Grid WC-11 (0-5).

Photograph 16: Soil characteristic of Grid WC-11 (5-10).

Photograph 17: Soil characteristic of Grid WC-12 (5-10).

Photograph 18: Soil characteristic of Grid WC-12 (0-5).

Photograph 19: Soil characteristic of Grid WC-13 (0-5).

Photograph 20: Soil characteristic of Grid WC-13 (5-10).

Photograph 21: Soil characteristic of Grid WC-14 (5-10).

Photograph 22: Soil characteristic of Grid WC-14 (0-5).

Photograph 23: Soil characteristic of Grid WC-15 (0-5).

Photograph 24: Soil characteristic of Grid WC-15 (5-10).

Photograph 25: Soil characteristic of Grid WC-16 (0-5).

Photograph 26: Soil characteristic of Grid WC-16 (5-10).

Photograph 27: Soil characteristic of Grid WC-17 (0-5).

Photograph 28: Soil characteristic of Grid WC-17 (5-10).

Photograph 29: Soil characteristic of Grid WC-18 (5-18).

Photograph 30: Soil characteristic of Grid WC-18 (0-5).

Photograph 31: Soil characteristic of Grid WC-19 (0-5).

Photograph 32: Soil characteristic of Grid WC-19 (5-10).

Photograph 33: Soil characteristic of Grid WC-20 (5-10).

Photograph 34: Soil characteristic of Grid WC-20 (10-20).

Photograph 35: Soil characteristic of Grid WC-22 (5-10).

Photograph 36: Soil characteristic of Grid WC-22 (0-5).

Photograph 37: Soil characteristic of Grid WC-23 (5-10).

Photograph 38: Soil characteristic of Grid WC-23 (0-5).

Photograph 39: Soil characteristic of Grid WC-24 (0-5).

Photograph 40: Soil characteristic of Grid WC-24 (5-10).

Photograph 41: Soil characteristic of Grid WC-25 (0-5).

Photograph 42: Soil characteristic of Grid WC-26 (0-5).

Photograph 43: Soil characteristic of Grid WC-28 (0-5), stockpile from 0-5 ft bls excavation.

Photograph 44: Soil characteristic of Grid WC-29 (0-5).

Photograph 45: Soil characteristic of Grid WC-30 (0-5).

Photograph 46: Soil characteristic of Grid WCR-1 (5-10).

Photograph 47: Soil characteristic of Grid WCR-2 (0-5).

Photograph 48: Soil characteristic of Grid WCR-2 (5-10).

Photograph 49: Soil characteristic of Grid WCR-3 (0-5).

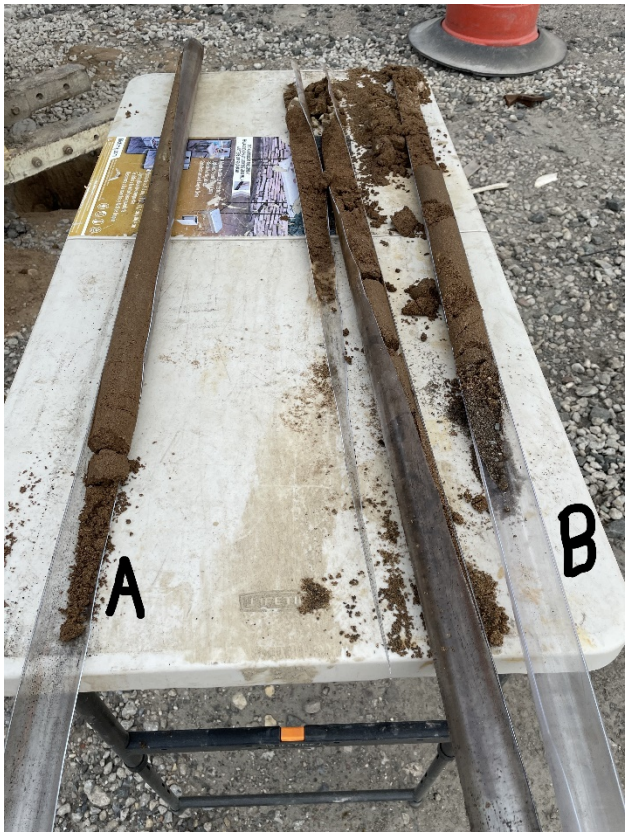
Photograph 50: Soil characteristic of Grid WCR-3 (5-10).

Photograph 51: Soil characteristic of Grid WCR-4 (0-5).

Photograph 52: Soil characteristic of Grid WCR-4 (5-10).

Photograph 53: Soil characteristic of Grid WCR-5 (5-10).

Photograph 54: Soil characteristic of Grid WCR-6 (0-5).



Photograph 55: Soil characteristic of Grid WCR-6 (5-10).

Photograph 56: Soil characteristic of Grid WCR-7 (0-5).

Photograph 57: Soil characteristic of Grid WCR-7 (5-10).

Photograph 58: Soil characteristic of Grid WCR-8 (5-15).

Photograph 59: Soil characteristic of Grid WCR-8 (0-5).

Photograph 60: Soil characteristic of Grid WCR-8 (5-10).

Photograph 61: Soil characteristic of Grid WCR-9 (5-10).

Photograph 62: Soil characteristic of Grid WCR-10 (0-5).

Photograph 63: Soil characteristic of Grid WCR-10 (5-10).

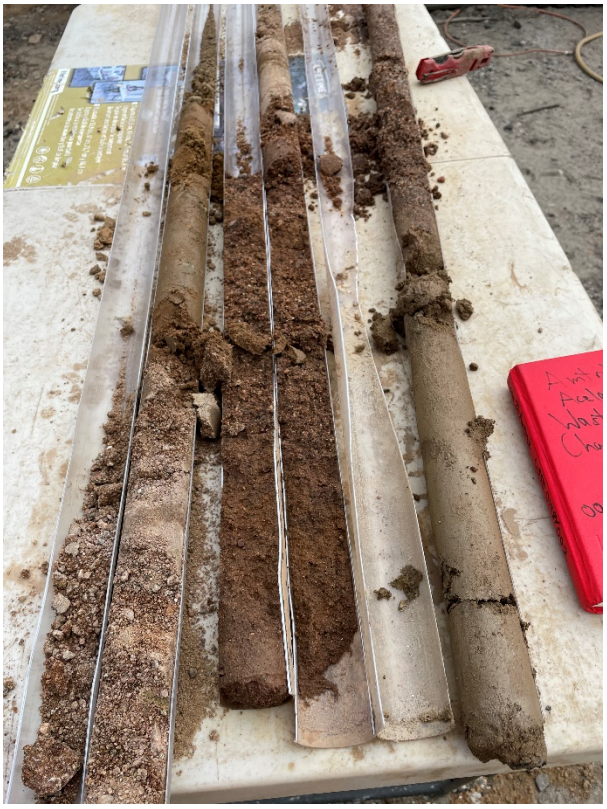
Photograph 64: Soil characteristic of Grid WCR-11 (0-5).

Photograph 65: Soil characteristic of Grid WCR-11 (5-10).

Photograph 66: Soil characteristic of Grid WCR-12 (0-5).

Photograph 67: Soil characteristic of Grid WCR-12 (5-10).

Photograph 68: Soil characteristic of Grid WCR-13 (0-5).



Photograph 69: Soil characteristic of Grid WCR-13 (5-15).

Photograph 70: Soil characteristic of Grid WCR-14 (0-5).

Photograph 71: Soil characteristic of Grid WCR-14 (5-10).

Photograph 72: Soil characteristic of Grid WCR-15 (5-10).

Photograph 73: Soil characteristic of Grid WCR-16 (5-10).

Photograph 74: Soil characteristic of Grid WL-1 (0-5).

Photograph 75: Soil characteristic of Grid WL-1 (5-10).

Photograph 76: Soil characteristic of Grid WL-1 (5-10).

Photograph 77: Soil characteristic of Grid WL-2 (0-5).

Photograph 78: Soil characteristic of Grid WL-2 (5-10).

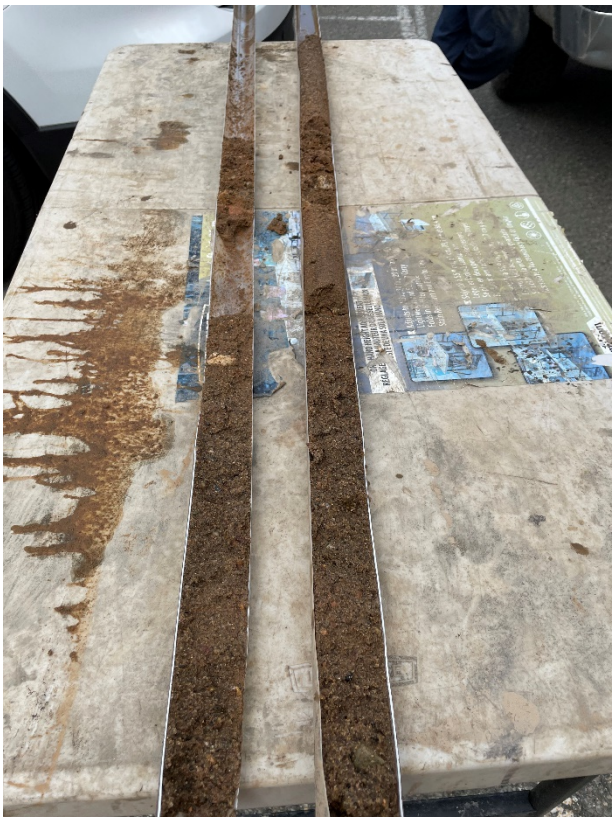
Photograph 79: Soil characteristic of Grid WL-3 (0-5).

Photograph 80: Soil characteristic of Grid WL-3 (5-10).

Photograph 81: Soil characteristic of Grid WL-4 (0-5).

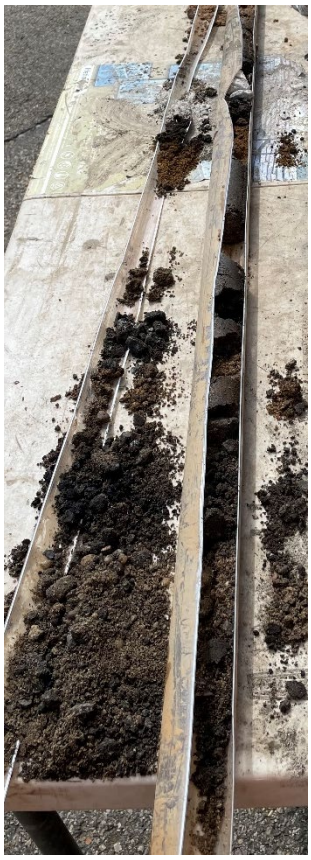
Photograph 82: Soil characteristic of Grid WL-4 (5-10).

Photograph 83: Soil characteristic of Grid WL-5 (0-5).



Photograph 84: Soil characteristic of Grid WL-5 (5-10).

Photograph 85: Soil characteristic of Grid WL-6 (0-5).



Photograph 86: Soil characteristic of Grid WL-6 (5-10).

Photograph 87: Soil characteristic of Grid CA-1 (0-2).

Photograph 88: Soil characteristic of Grid CA-2 (0-2).

Photograph 89: Stockpile sample SP-1 composited from three small stockpiles of similar lithologies.

Photograph 90: Soil characteristic of stockpile SP-1.

Photograph 91: Stockpile sample SP-2 composited from one narrow stockpile.

Photograph 92: Soil characteristic of stockpile SP-2.

Photograph 93: Stockpile sample SP-3 composited from three small nearby stockpiles of similar lithologies.

Photograph 94: Soil characteristic of stockpile SP-3.

Photograph 95: Stockpile sample SP-4 composited from two connecting stockpiles of similar lithologies.

Photograph 96: Soil characteristic of stockpile SP-4.

Photograph 97: Stockpile sample SP-5 composited from one stockpile.

Photograph 98: Soil characteristic of stockpile SP-5.

APPENDIX C

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-233463-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 5:52:49 PM

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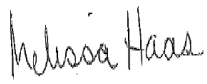
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 5:52:49 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Glossary

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

Job ID: 460-233463-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-233463-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 5/3/2021 6:00 PM, 5/4/2021 7:00 PM, 5/5/2021 5:30 PM, 5/6/2021 7:00 PM and 5/7/2021 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.3º C, 2.0º C, 2.0º C, 2.3º C and 3.0º C.

Receipt Exceptions

The following sample was cancelled by the client on 5/7/21. WC-7C (6-8) (460-233790-7)

The client cancelled DRO and GRO analysis for all samples on 5/7/21.

The client requested that the back slash in the following sample ID be changed to an underscore due to Equis EDD requirements.
WC-6_WC-7 (5-10) (460-233790-3)

The sample ID of the following sample was revised to put the depth in parentheses per client request:
WC-3-A (0-2) (460-233463-1)

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS
Samples WC-3-A (0-2) (460-233463-1), WC-5A (3-5) (460-233638-1), WC-9C (3-5) (460-233882-1), WC-4-A (1-3) (460-233560-2), WC-6C (5-7) (460-233638-2), WC-6A (3-5) (460-233638-3), WC-8A (7-9) (460-233790-4), WC-8A (1-3) (460-233790-5) and WC-7D (1-3) (460-233790-6) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 05/05/2021, 05/06/2021, 05/08/2021 and 05/19/2021 and analyzed on 05/06/2021, 05/07/2021, 05/12/2021 and 05/20/2021.

The continuing calibration verification (CCV) analyzed in batch 460-776177 was outside the method criteria for Carbon tetrachloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-776420 was outside the method criteria for Carbon tetrachloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-3-A (0-2) (460-233463-1), WC-5A (3-5) (460-233638-1), WC-9C (3-5) (460-233882-1), WC-4-A (1-3) (460-233560-2), WC-6C (5-7) (460-233638-2), WC-6A (3-5) (460-233638-3), WC-8A (7-9) (460-233790-4), WC-8A (1-3) (460-233790-5) and WC-7D (1-3) (460-233790-6) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 05/04/2021, 05/05/2021, 05/06/2021, 05/07/2021 and 05/08/2021 and analyzed on 05/06/2021, 05/08/2021, 05/10/2021, 05/11/2021 and 05/12/2021.

The continuing calibration verification (CCV) associated with batch 460-776262 recovered above the upper control limit for Vinyl chloride and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-776262 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-776504 was outside the method criteria for the following analyte(s): Bromomethane and Vinyl chloride (biased high); Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-776504 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-776596 recovered above the upper control limit for Bromomethane, Vinyl chloride, 1,1-Dichloroethene and Freon TF. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-776596 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-776842 was outside the method criteria for the following analytes: Bromoform (biased low) and 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-776842 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased high in the LCS and within control limits in LCSD, the data have been flagged and reported.

The continuing calibration verification (CCV) analyzed in batch 460-776972 was outside the method criteria for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high) and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-776838 recovered outside control limits for the following analytes: 1,1-Dichloroethene, Bromomethane and 2-Hexanone. These analytes were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-777038 recovered outside control limits for the following analytes: Bromomethane (biased high) and 2-Hexanone and 4-Methyl-2-pentanone (MIBK) (biased low). These analytes were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-777038 recovered above the upper control limit for Bromomethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-776856 was outside the method criteria for the following analyte(s): Carbon tetrachloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-776772 recovered outside control limits for the following analyte: 1,2-Dibromo-3-Chloropropane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-777408 was outside the method criteria for the following analytes: Bromomethane (biased high) and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-777408 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The following sample had peaks after 10.289 min that are GC carryover; therefore, they were not reported as TICs. WC-8A (1-3) (460-233790-5)

The continuing calibration verification (CCV) analyzed in batch 460-777098 was outside the method criteria for the following analytes: Bromomethane, trans-1,2-Dichloroethene, 1,1-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high) and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-777098 recovered outside control limits for the following analytes: Bromomethane (biased high) and 4-Methyl-2-pentanone (MIBK) and 2-Hexanone (biased low). These analytes were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-776838 was outside the method criteria for the following analytes: Bromomethane and Vinyl chloride (biased high) and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Surrogate recovery for the following sample was outside the upper control limit: WC-8A (7-9) (460-233790-4). This sample did not contain any target analytes; therefore, re-analysis was not performed.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 05/06/2021 and 05/10/2021, prepared on 05/07/2021 and 05/11/2021 and analyzed on 05/08/2021 and 05/11/2021.

The continuing calibration verification (CCV) analyzed in batch 460-776525 was outside the method criteria for the following analyte(s): 2,4-Dinitrotoluene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 05/05/2021 and 05/07/2021 and analyzed on 05/06/2021, 05/08/2021 and 05/09/2021.

The continuing calibration verification (CCV) analyzed in batch 460-776000 was outside the method criteria for the following analyte(s): 2-Nitroaniline, Bis(2-ethylhexyl) phthalate, 2,4-Dinitrophenol, 1,2-Diphenylhydrazine, 2,6-Dinitrotoluene, Butyl benzyl phthalate, bis (2-chloroisopropyl) ether, Benzaldehyde, N-Nitrosodi-n-propylamine, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate and 2-Nitrophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-776027 and analytical batch 460-776000 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-776027 and analytical batch 460-776000 recovered outside control limits for the following analytes: 2-Nitrophenol. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The surrogate recovery for the blank associated with preparation batch 460-776027 and analytical batch 460-776000 was outside the upper control limits.

The following laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with batch 460-776027 contained one acid/base surrogate outside acceptance limits:(LCS 460-776027/2-A) and (LCSD 460-776027/3-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-776537 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-776688 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2-Nitrophenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TCLP PESTICIDES
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 05/06/2021 and 05/10/2021, prepared on 05/07/2021 and 05/11/2021 and analyzed on 05/10/2021 and 05/12/2021.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 05/06/2021 and 05/09/2021 and analyzed on 05/07/2021 and 05/10/2021.

The %RPD between the primary and confirmation column exceeded 40% for the following sample: 4,4'-DDTWC-3 (0-5) (460-233560-3). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 05/06/2021 and 05/10/2021, prepared on 05/07/2021 and 05/11/2021 and analyzed on 05/10/2021 and 05/12/2021.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-776591 and analytical batch 460-776875 recovered outside control limits for the following analytes: 2,4-D and Silvex (2,4,5-TP). These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP herbicides analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/07/2021 and 05/09/2021 and analyzed on 05/10/2021 and 05/12/2021.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/06/2021 and 05/09/2021 and analyzed on 05/07/2021, 05/10/2021 and 05/11/2021.

No difficulties were encountered during the PCBs analysis.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 05/06/2021 and 05/07/2021 and analyzed on 05/07/2021 and 05/08/2021.

1-Chlorooctadecane surrogate recovery for the following LCS/LCSD was outside control limits; o-Terphenyl surrogate recovery is within the control limits: (LCS 460-776202/2-A) and (LCSD 460-776202/3-A). Therefore, re-extraction and/or re-analysis was not performed.

1-Chlorooctadecane surrogate recovery for the following sample was outside control limits; o-Terphenyl surrogate recovery is within the control limits: WC-5 (0-5) (460-233638-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

1-Chlorooctadecane surrogate recovery for the following LCS was outside control limits; o-Terphenyl surrogate recovery is within the control limits: (LCS 460-776587/2-A). Therefore, re-extraction and/or re-analysis was not performed.

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 05/06/2021 and 05/10/2021, prepared on 05/07/2021 and 05/12/2021 and analyzed on 05/12/2021.

No difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared and analyzed on 05/10/2021 and 05/13/2021.

Antimony, Iron, Magnesium and Manganese failed the recovery criteria low for the MS of sample 460-233652-7 in batch 460-776904. Aluminum failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MS of sample 460-233756-8 in batch 460-777697. Aluminum, Barium, Iron and Potassium failed the recovery criteria high.

Barium, Cadmium, Copper, Silver, Antimony and Lead exceeded the RPD limit for the duplicate of sample 460-233756-8.

Sample WC-6 (0-5) (460-233638-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/06/2021 and 05/10/2021, and prepared and analyzed on 05/07/2021 and 05/11/2021.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/07/2021, 05/10/2021 and 05/12/2021.

Mercury failed the recovery criteria low for the MS of sample 460-233639-3 in batch 460-776912.

Samples WC-4 (0-5) (460-233638-1)[3X], WC-3 (0-5) (460-233638-3)[5X] and WC-6 (0-5) (460-233638-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 05/11/2021 and 05/13/2021 and analyzed on 05/11/2021 and 05/14/2021.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for 776644,776648 recovered outside control limits for the following analytes:Cyanide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared on 05/07/2021 and 05/12/2021 and analyzed on 05/07/2021 and 05/13/2021.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 05/06/2021, 05/09/2021 and 05/11/2021.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

leached on 05/07/2021 and 05/14/2021 and analyzed on 05/10/2021 and 05/17/2021.

Analysis for Hexane Extractable Material (HEM) was performed for the following samples: WC-4 (0-5) (460-233560-1), WC-3 (0-5) (460-233560-3) and (LB 460-776567/1-A). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

HEM failed the recovery criteria low for the MS of sample 410-38289-1 in batch 410-124563.

No other difficulties were encountered during the SGT-HEM/HEM analysis.

All quality control parameters were within the acceptance limits.

TOTAL VOLATILE SOLIDS

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for total volatile solids in accordance with SM 2540G. The samples were analyzed on 05/06/2021 and 05/10/2021.

The sample duplicate (DUP) precision for analytical batch 460-776190 was outside control limits for Total Volatile Solids. Sample non-homogeneity is suspected.

No other difficulties were encountered during the TVS analysis.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND, ASTM

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for chemical oxygen demand, ASTM in accordance with EPA Method 410.4 (ASTM Leach D3987-85). The samples were leached on 05/07/2021, 05/09/2021 and 05/10/2021 and analyzed on 05/10/2021, 05/11/2021 and 05/13/2021.

Chemical Oxygen Demand failed the recovery criteria low for the MS/MSD of sample 460-233474-1 in batch 460-777042.

Chemical Oxygen Demand failed the recovery criteria low for the MS/MSD of sample 460-233705-1 in batch 460-777286.

No other difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/06/2021 and 05/12/2021.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 05/12/2021 and 05/13/2021.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-233463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

REACTIVE SULFIDE
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 05/12/2021 and 05/13/2021.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

PH
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/06/2021 and 05/10/2021 and analyzed on 05/07/2021 and 05/11/2021.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

PH
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/07/2021 and 05/11/2021 and analyzed on 05/07/2021 and 05/11/2021.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 05/07/2021 and 05/13/2021.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

OIL AND GREASE
Samples WC-4 (0-5) (460-233560-1), WC-8 (0-5) (460-233790-1), WC-7 (0-5) (460-233790-2), WC-3 (0-5) (460-233560-3), WC-6_WC-7 (5-10) (460-233790-3), WC-5 (0-5) (460-233638-4) and WC-6 (0-5) (460-233638-5) were analyzed for oil and grease in accordance with EPA SW-846 Method 9017B. The samples were prepared on 05/07/2021 and 05/13/2021 and analyzed on 05/10/2021 and 05/14/2021.

Oil & Grease failed the recovery criteria low for the MSD of sample 180-121134-1 in batch 410-124294.

No other difficulties were encountered during the oil and grease analysis.

All other quality control parameters were within the acceptance limits.

PAINT FILTER
Samples WC-4 (0-5) (460-233560-1), WC-

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-3-A (0-2) — Lab Sample ID: 460-233463-1

No Detections.

Client Sample ID: WC-4 (0-5) — Lab Sample ID: 460-233560-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.012	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.011	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.12		0.039	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.13		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.16		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.097	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.058		0.039	0.0077	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.024	J	0.39	0.021	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.11	J	0.39	0.0066	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.20	J	0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.013	J	0.39	0.0053	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.092		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.021	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.13	J	0.39	0.0069	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.22	J	0.39	0.0097	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	140		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.51	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0024	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.15		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	13600		22.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.23	J	1.1	0.17	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	132		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.46	0.065	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	10300		114	19.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.6		2.3	0.20	mg/Kg	1	☼	6020B	Total/NA
Cobalt	14.8		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	43.2		2.3	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	23500		68.3	23.0	mg/Kg	1	☼	6020B	Total/NA
Lead	25.5		0.68	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	10100		114	11.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	220		4.6	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	31.1		2.3	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	8060		114	12.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.23	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	373		114	17.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.37	J	0.46	0.047	mg/Kg	1	☼	6020B	Total/NA
Vanadium	37.8		2.3	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	92.6		9.1	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.000091	J	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	1.1		0.055	0.013	mg/Kg	3	☼	7471B	Total/NA
Cr (III)	25.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	10.9	HF			SU	1		9045D	Total/NA
Corrosivity	10.9	HF			SU	1		9045D	Total/NA
Oil & Grease	1070		702	234	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.4		0.10	0.10	%	1		SM 2540G	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-4 (0-5) (Continued) — Lab Sample ID: 460-233560-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Volatile Solids	1.9		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.2				S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	22.8				Degrees C	1		9040C	TCLP

Client Sample ID: WC-4-A (1-3) — Lab Sample ID: 460-233560-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0082		0.0072	0.0069	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00044	J	0.0012	0.00032	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-3 (0-5) — Lab Sample ID: 460-233560-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.010	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.14		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.19		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.26		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.16	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.076		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.17	J	0.37	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.043		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.24	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.10	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.24	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
1,4-Dichlorobenzene	0.0011	J	0.010	0.00044	mg/L	1		8270E	TCLP
4,4'-DDE	0.013		0.0074	0.00088	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.011	p	0.0074	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1254	0.23		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.23		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	450		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.37	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.015	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	7240		21.3	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.18	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	68.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.35	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	24200		107	18.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.8		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.1		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	32.8		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	15100		64.0	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	60.1		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	9140		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	241		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1880		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.23	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-3 (0-5) (Continued) — Lab Sample ID: 460-233560-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	340		107	16.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	70.9		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	2.2		0.091	0.021	mg/Kg	5	☼	7471B	Total/NA
Cr (III)	16.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	9.4	HF			SU	1		9045D	Total/NA
Corrosivity	9.4	HF			SU	1		9045D	Total/NA
Oil & Grease	1900		662	221	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.5		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	6.2				S.U.	1		9040C	TCLP
Temperature	22.8				Degrees C	1		9040C	TCLP
Total Solids	93.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-5A (3-5) — Lab Sample ID: 460-233638-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.0011	J	0.0013	0.00035	mg/Kg	1	☼	8260D	Total/NA
Chlorobenzene	0.049		0.010	0.0038	mg/L	10		8260D	TCLP

Client Sample ID: WC-6C (5-7) — Lab Sample ID: 460-233638-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.0020		0.0018	0.00039	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.010	*	0.0088	0.00064	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.051		0.011	0.010	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0069		0.0018	0.00047	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0054		0.0018	0.00035	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0046		0.0018	0.00050	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0020	B	0.0018	0.00030	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0014	J	0.0018	0.00034	mg/Kg	1	☼	8260D	Total/NA
Styrene	0.0013	J B	0.0018	0.00049	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00061	J	0.0018	0.00053	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00087	J	0.0018	0.00041	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.00060	J	0.0018	0.00056	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-6A (3-5) — Lab Sample ID: 460-233638-3

No Detections.

Client Sample ID: WC-5 (0-5) — Lab Sample ID: 460-233638-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.013	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.029	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.087		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.10		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.15		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.056	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.063		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.057	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-5 (0-5) (Continued)
Lab Sample ID: 460-233638-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.093	J	0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.0098	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.16	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.011	J	0.38	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.062		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.018	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.080	J	0.38	0.0067	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.17	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.23		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.23		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	130		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.51	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0024	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.018	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	8020		21.9	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.43	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	91.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.33	J	0.44	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	49500		109	18.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.5		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	47.1		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	16300		65.7	22.1	mg/Kg	1	☼	6020B	Total/NA
Lead	60.6		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	26200		109	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	261		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.9		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	3540		109	12.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	1.1	0.097	mg/Kg	1	☼	6020B	Total/NA
Sodium	326		109	17.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.18	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.3		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	81.5		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.25		0.019	0.0044	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	20.5		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	11.5	HF			SU	1		9045D	Total/NA
Corrosivity	11.5	HF			SU	1		9045D	Total/NA
Oil & Grease	1770		678	226	mg/Kg	1	☼	9071B	Total/NA
Total Solids	78.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.6				S.U.	1		9040C	Soluble
pH	6.1				S.U.	1		9040C	TCLP
Temperature	22.8				Degrees C	1		9040C	TCLP
HEM	1.9	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	27.0		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	102		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-6 (0-5)
Lab Sample ID: 460-233638-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.013	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.014	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.038	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.13		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.13		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.070	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.081		0.038	0.0074	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.051	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.032	J	0.38	0.018	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.016	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.13	J	0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.022	J	0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.014	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.23	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.017	J	0.38	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.072		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.12	J	0.38	0.0067	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.23	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0057	J	0.0077	0.00090	mg/Kg	1	☼	8081B	Total/NA
Chlordane (technical)	0.060	J	0.077	0.019	mg/Kg	1	☼	8081B	Total/NA
Dieldrin	0.010		0.0023	0.0010	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.089		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.089		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	270		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.39	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	6200		21.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	67.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.29	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	57600		530	90.1	mg/Kg	5	☼	6020B	Total/NA
Chromium	16.9		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.5		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	28.6		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	11900		63.6	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	63.5		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6460		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	209		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.6		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1350		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.13	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	211		106	16.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.091	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	68.7		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.00012	J	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	3.7		0.19	0.045	mg/Kg	10	☼	7471B	Total/NA
Cr (III)	16.9		2.0	2.0	mg/Kg	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-6 (0-5) (Continued)
Lab Sample ID: 460-233638-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
pH	11.2	HF			SU	1		9045D	Total/NA
Corrosivity	11.2	HF			SU	1		9045D	Total/NA
Oil & Grease	279	J	696	232	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.6				S.U.	1		9040C	Soluble
pH	6.7				S.U.	1		9040C	TCLP
Temperature	22.8				Degrees C	1		9040C	TCLP
HEM	3.0	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	148		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-8 (0-5)
Lab Sample ID: 460-233790-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.032	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.033	J	0.38	0.0039	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.081	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.34		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.37		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.40		0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.22	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.19		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	6.2		0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.37	J	0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.047		0.038	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.016	J	0.38	0.0054	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.64		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.036	J	0.38	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.22		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.29	J	0.38	0.0068	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.73		0.38	0.0096	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	170		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.46	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0021	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.051		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	11400		22.1	2.9	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	120		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.25	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	21800		111	18.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.2		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.8		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	33.9		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	19500		66.4	22.3	mg/Kg	1	☼	6020B	Total/NA
Lead	54.4		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	11700		111	11.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	233		4.4	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.8		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	6620		111	12.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.16	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-8 (0-5) (Continued)
Lab Sample ID: 460-233790-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	326		111	17.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.27	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	34.4		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	83.1		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.042		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	21.2		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	10.6	HF			SU	1		9045D	Total/NA
Corrosivity	10.6	HF			SU	1		9045D	Total/NA
Oil & Grease	5090		681	227	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.9				S.U.	1		9040C	Soluble
pH	5.5				S.U.	1		9040C	TCLP
Temperature	21.9				Degrees C	1		9040C	TCLP
HEM	1.8	J	5.0	1.4	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	14.4		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	124		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-7 (0-5)
Lab Sample ID: 460-233790-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.11		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.10		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.13		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.092	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.072		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.062	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.025	J	0.38	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.13	J	0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.16	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.081		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.057	J	0.38	0.0067	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.22	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.37		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.37		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	84		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.52	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	14700		21.5	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.17	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	158		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Calcium	13700		107	18.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	302		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	16.5		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	47.1		2.1	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	24600		64.5	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	27.7		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	11200		107	11.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	282		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	151		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-7 (0-5) (Continued)
Lab Sample ID: 460-233790-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	8490		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.23	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	487		107	16.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.40	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	42.2		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	89.9		8.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	302		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	11.1	HF			SU	1		9045D	Total/NA
Corrosivity	11.1	HF			SU	1		9045D	Total/NA
Oil & Grease	1650		680	227	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.3				S.U.	1		9040C	Soluble
pH	6.5				S.U.	1		9040C	TCLP
Temperature	21.9				Degrees C	1		9040C	TCLP
HEM	2.3	J	5.1	1.4	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	14.1		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	184		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-6_WC-7 (5-10)
Lab Sample ID: 460-233790-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.062	J	0.52	0.0069	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.22	J	0.52	0.014	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.52		0.52	0.015	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.97		0.52	0.016	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.1		0.052	0.018	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.95		0.052	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.2		0.052	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.55		0.52	0.015	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.52		0.052	0.010	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.50	J	0.52	0.027	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.28	J	0.52	0.024	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.43	J	0.52	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.1		0.52	0.0088	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.15		0.052	0.022	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.42	J	0.52	0.0073	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.8		0.52	0.018	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.49	J	0.52	0.0070	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.60		0.052	0.020	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.29	J	0.52	0.0090	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	3.5		0.52	0.0091	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.8		0.52	0.013	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.049		0.010	0.0012	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0045	J	0.010	0.0019	mg/Kg	1	☼	8081B	Total/NA
Barium	0.38	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0073	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.077		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	17300		29.8	3.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.22	J	1.5	0.22	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-6_WC-7 (5-10) (Continued) — Lab Sample ID: 460-233790-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		1.5	0.15	mg/Kg	1	☼	6020B	Total/NA
Barium	348		3.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.46	J	0.60	0.085	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.39	J	1.5	0.17	mg/Kg	1	☼	6020B	Total/NA
Calcium	29500		149	25.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	28.7		3.0	0.26	mg/Kg	1	☼	6020B	Total/NA
Cobalt	13.7		3.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Copper	40.1		3.0	0.33	mg/Kg	1	☼	6020B	Total/NA
Iron	22800		89.5	30.1	mg/Kg	1	☼	6020B	Total/NA
Lead	162		0.89	0.30	mg/Kg	1	☼	6020B	Total/NA
Magnesium	11300		149	15.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	297		6.0	0.60	mg/Kg	1	☼	6020B	Total/NA
Nickel	34.1		3.0	0.29	mg/Kg	1	☼	6020B	Total/NA
Potassium	8210		149	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.9	0.18	mg/Kg	1	☼	6020B	Total/NA
Sodium	928		149	23.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.29	J	0.60	0.061	mg/Kg	1	☼	6020B	Total/NA
Vanadium	40.9		3.0	0.31	mg/Kg	1	☼	6020B	Total/NA
Zinc	245		11.9	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.84		0.024	0.0057	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	28.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.20	J	0.35	0.19	mg/Kg	1	☼	9012B	Total/NA
pH	9.1	HF			SU	1		9045D	Total/NA
Corrosivity	9.1	HF			SU	1		9045D	Total/NA
Total Solids	71.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.5		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.1				S.U.	1		9040C	Soluble
pH	6.3				S.U.	1		9040C	TCLP
Temperature	21.9				Degrees C	1		9040C	TCLP
HEM	2.2	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	42.8		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.64		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	167		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-8A (7-9) — Lab Sample ID: 460-233790-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.0017	J	0.0020	0.00046	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0093	J	0.010	0.00075	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.051		0.012	0.012	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0015	J	0.0020	0.00054	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0026		0.0020	0.00040	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.015		0.0020	0.00058	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0022		0.0020	0.00035	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0021		0.0020	0.00039	mg/Kg	1	☼	8260D	Total/NA
Styrene	0.0010	J	0.0020	0.00056	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0033		0.0020	0.00062	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0021		0.0020	0.00047	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-8A (1-3) — Lab Sample ID: 460-233790-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-7D (1-3)
Lab Sample ID: 460-233790-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0071	J	0.0074	0.0071	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00065	J	0.0012	0.00033	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-9C (3-5)
Lab Sample ID: 460-233882-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.014		0.012	0.012	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0010	J	0.0021	0.00054	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00085	J	0.0021	0.00055	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0055	B	0.0042	0.0024	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00064	J B	0.0021	0.00036	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00051	J	0.0021	0.00040	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0013	J B	0.0021	0.00049	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-3-A (0-2)
Date Collected: 05/03/21 14:00
Date Received: 05/03/21 18:00

Lab Sample ID: 460-233463-1
Matrix: Solid
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00038	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00049	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00033	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00074	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00048	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00068	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
2-Butanone (MEK)	0.0081	U	0.0081	0.00059	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
2-Hexanone	0.0081	U	0.0081	0.0028	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
4-Methyl-2-pentanone (MIBK)	0.0081	U	0.0081	0.0025	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Acetone	0.0097	U	0.0097	0.0092	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Benzene	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Bromoform	0.0016	U	0.0016	0.00069	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Bromomethane	0.0032	U *	0.0032	0.0016	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Carbon disulfide	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Carbon tetrachloride	0.0016	U	0.0016	0.00062	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chlorobenzene	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chlorobromomethane	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chlorodibromomethane	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chloroethane	0.0016	U	0.0016	0.00084	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chloroform	0.0016	U	0.0016	0.0016	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Chloromethane	0.0016	U	0.0016	0.00070	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00044	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Cyclohexane	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Dichlorobromomethane	0.0016	U	0.0016	0.00041	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00055	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Ethylbenzene	0.0016	U	0.0016	0.00032	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Ethylene Dibromide	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Isopropylbenzene	0.0016	U	0.0016	0.00046	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Methyl acetate	0.0081	U	0.0081	0.0069	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00083	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Methylcyclohexane	0.0016	U	0.0016	0.00081	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Methylene Chloride	0.0032	U	0.0032	0.0018	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
o-Xylene	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Styrene	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Tetrachloroethene	0.0016	U	0.0016	0.00049	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Toluene	0.0016	U	0.0016	0.00038	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00040	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Trichloroethene	0.0016	U	0.0016	0.00052	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1

Client Sample ID: WC-3-A (0-2)
Lab Sample ID: 460-233463-1

Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/03/21 18:00
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0016	U	0.0016	0.00066	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1
Vinyl chloride	0.0016	U	0.0016	0.00088	mg/Kg	☼	05/04/21 23:08	05/06/21 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/04/21 23:08*	*05/06/21 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 145*	*05/04/21 23:08*	*05/06/21 19:42*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*05/04/21 23:08*	*05/06/21 19:42*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*05/04/21 23:08*	*05/06/21 19:42*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/04/21 23:08*	*05/06/21 19:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/06/21 18:52	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/06/21 18:52	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/06/21 18:52	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/06/21 18:52	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/06/21 18:52	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/06/21 18:52	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/06/21 18:52	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/06/21 18:52	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/06/21 18:52	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/06/21 18:52	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/06/21 18:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/06/21 18:52*	*10*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/06/21 18:52*	*10*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*05/06/21 18:52*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/06/21 18:52*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		1.0	1.0	%			05/05/21 12:04	1
Percent Solids	**92.4**		1.0	1.0	%			05/05/21 12:04	1

Client Sample ID: WC-4 (0-5)
Lab Sample ID: 460-233560-1

Date Collected: 05/04/21 11:30
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0052	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0071	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-4 (0-5)
Date Collected: 05/04/21 11:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-1
Matrix: Solid
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,4-Dinitrophenol	0.31	U *	0.31	0.19	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Methylnaphthalene	**0.012**	**J**	0.39	0.011	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Nitroaniline	0.39	U	0.39	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
2-Nitrophenol	0.39	U *	0.39	0.039	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
4-Nitrophenol	0.79	U	0.79	0.064	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Acenaphthene	**0.011**	**J**	0.39	0.011	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Acenaphthylene	0.39	U	0.39	0.0039	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzaldehyde	0.39	U	0.39	0.065	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzo[a]anthracene	**0.12**		0.039	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzo[a]pyrene	**0.13**		0.039	0.010	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzo[b]fluoranthene	**0.16**		0.039	0.010	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzo[g,h,i]perylene	**0.097**	**J**	0.39	0.012	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Benzo[k]fluoranthene	**0.058**		0.039	0.0077	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.031	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Bis(2-ethylhexyl) phthalate	**0.024**	**J**	0.39	0.021	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Chrysene	**0.11**	**J**	0.39	0.0066	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Dibenz(a,h)anthracene	**0.025**	**J**	0.039	0.017	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Dibenzofuran	0.39	U	0.39	0.0055	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Diethyl phthalate	0.39	U	0.39	0.0057	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Fluoranthene	**0.20**	**J**	0.39	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Fluorene	**0.013**	**J**	0.39	0.0053	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1

Client Sample ID: WC-4 (0-5)
Date Collected: 05/04/21 11:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-1
Matrix: Solid
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Indeno[1,2,3-cd]pyrene	**0.092**		0.039	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Naphthalene	**0.021**	**J**	0.39	0.0068	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Nitrobenzene	0.039	U	0.039	0.0094	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Phenanthrene	**0.13**	**J**	0.39	0.0069	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1
Pyrene	**0.22**	**J**	0.39	0.0097	mg/Kg	☼	05/05/21 17:13	05/06/21 04:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.2*	*A J*	*mg/Kg*	☼	*2.60*		*05/05/21 17:13*	*05/06/21 04:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 123*	*05/05/21 17:13*	*05/06/21 04:50*	*1*
2-Fluorobiphenyl	*66*		*14 - 103*	*05/05/21 17:13*	*05/06/21 04:50*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 105*	*05/05/21 17:13*	*05/06/21 04:50*	*1*
Nitrobenzene-d5 (Surr)	*66*		*11 - 104*	*05/05/21 17:13*	*05/06/21 04:50*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*05/05/21 17:13*	*05/06/21 04:50*	*1*
Terphenyl-d14 (Surr)	*82*		*12 - 126*	*05/05/21 17:13*	*05/06/21 04:50*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/07/21 10:36	05/08/21 01:00	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/08/21 01:00	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/08/21 01:00	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/08/21 01:00	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/08/21 01:00	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/08/21 01:00	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/08/21 01:00	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/08/21 01:00	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/08/21 01:00	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/08/21 01:00	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/08/21 01:00	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/08/21 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*33 - 150*	*05/07/21 10:36*	*05/08/21 01:00*	*1*
2-Fluorobiphenyl	*52*		*42 - 127*	*05/07/21 10:36*	*05/08/21 01:00*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*05/07/21 10:36*	*05/08/21 01:00*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*	*05/07/21 10:36*	*05/08/21 01:00*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*05/07/21 10:36*	*05/08/21 01:00*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 150*	*05/07/21 10:36*	*05/08/21 01:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0013	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
4,4'-DDE	0.0079	U	0.0079	0.00094	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
4,4'-DDT	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1

Client Sample ID: WC-4 (0-5)
Date Collected: 05/04/21 11:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-1
Matrix: Solid
Percent Solids: 84.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
alpha-BHC	0.0024	U	0.0024	0.00081	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
beta-BHC	0.0024	U	0.0024	0.00089	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endosulfan sulfate	0.0079	U	0.0079	0.00099	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00073	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Heptachlor	0.0079	U	0.0079	0.00094	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1
Toxaphene	0.079	U	0.079	0.029	mg/Kg	☼	05/06/21 09:29	05/07/21 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*05/06/21 09:29*	*05/07/21 07:27*	*1*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*05/06/21 09:29*	*05/07/21 07:27*	*1*
Tetrachloro-m-xylene	*75*		*10 - 133*	*05/06/21 09:29*	*05/07/21 07:27*	*1*
Tetrachloro-m-xylene	*76*		*10 - 133*	*05/06/21 09:29*	*05/07/21 07:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:38	05/10/21 07:37	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 07:37	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:38	05/10/21 07:37	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:38	05/10/21 07:37	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:38	05/10/21 07:37	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 07:37	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:38	05/10/21 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*26*		*10 - 150*	*05/07/21 19:38*	*05/10/21 07:37*	*1*
DCB Decachlorobiphenyl	*49*		*10 - 150*	*05/07/21 19:38*	*05/10/21 07:37*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*05/07/21 19:38*	*05/10/21 07:37*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*05/07/21 19:38*	*05/10/21 07:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1221	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1232	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1242	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1248	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor 1260	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1

Client Sample ID: WC-4 (0-5)
Date Collected: 05/04/21 11:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-1
Matrix: Solid
Percent Solids: 84.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1
Polychlorinated biphenyls, Total	0.079	U	0.079	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*05/06/21 09:25*	*05/07/21 13:58*	*1*
DCB Decachlorobiphenyl	*99*		*37 - 150*	*05/06/21 09:25*	*05/07/21 13:58*	*1*
Tetrachloro-m-xylene	*81*		*54 - 150*	*05/06/21 09:25*	*05/07/21 13:58*	*1*
Tetrachloro-m-xylene	*102*		*54 - 150*	*05/06/21 09:25*	*05/07/21 13:58*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0084	mg/Kg	☼	05/07/21 19:36	05/10/21 13:21	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	05/07/21 19:36	05/10/21 13:21	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	05/07/21 19:36	05/10/21 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*111*		*65 - 150*	*05/07/21 19:36*	*05/10/21 13:21*	*1*
2,4-Dichlorophenylacetic acid	*120*		*65 - 150*	*05/07/21 19:36*	*05/10/21 13:21*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/07/21 23:44	05/10/21 13:48	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/07/21 23:44	05/10/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/07/21 23:44*	*05/10/21 13:48*	*1*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*05/07/21 23:44*	*05/10/21 13:48*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**140**		2.4	2.4	mg/Kg	☼	05/06/21 09:33	05/07/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*122*		*40 - 140*	*05/06/21 09:33*	*05/07/21 13:10*	*1*
1-Chlorooctadecane	*120*		*40 - 140*	*05/06/21 09:33*	*05/07/21 13:10*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/07/21 16:55	05/12/21 18:29	5
Barium	**0.51**	**J**	1.0	0.066	mg/L		05/07/21 16:55	05/12/21 18:29	5
Cadmium	**0.0024**	**J**	0.020	0.0016	mg/L		05/07/21 16:55	05/12/21 18:29	5
Chromium	0.050	U	0.050	0.025	mg/L		05/07/21 16:55	05/12/21 18:29	5
Lead	**0.15**		0.050	0.012	mg/L		05/07/21 16:55	05/12/21 18:29	5
Selenium	0.10	U	0.10	0.029	mg/L		05/07/21 16:55	05/12/21 18:29	5
Silver	0.050	U	0.050	0.029	mg/L		05/07/21 16:55	05/12/21 18:29	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13600**		22.8	3.0	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Antimony	**0.23**	**J**	1.1	0.17	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Arsenic	**1.3**		1.1	0.11	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Barium	**132**		2.3	0.17	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1

Client Sample ID: WC-4 (0-5)
Date Collected: 05/04/21 11:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-1
Matrix: Solid
Percent Solids: 84.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.31	J	0.46	0.065	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Cadmium	0.14	J	1.1	0.13	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Calcium	10300		114	19.4	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Chromium	25.6		2.3	0.20	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Cobalt	14.8		2.3	0.17	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Copper	43.2		2.3	0.25	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Iron	23500		68.3	23.0	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Lead	25.5		0.68	0.23	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Magnesium	10100		114	11.6	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Manganese	220		4.6	0.46	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Nickel	31.1		2.3	0.22	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Potassium	8060		114	12.8	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Selenium	0.23	J	1.4	0.13	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Sodium	373		114	17.8	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Thallium	0.37	J	0.46	0.047	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Vanadium	37.8		2.3	0.23	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1
Zinc	92.6		9.1	2.6	mg/Kg	☼	05/10/21 03:02	05/10/21 15:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	J	0.00020	0.000091	mg/L		05/07/21 13:03	05/07/21 15:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.055	0.013	mg/Kg	☼	05/07/21 03:20	05/07/21 10:27	3

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.9	HF			SU			05/07/21 12:22	1
Corrosivity	10.9	HF			SU			05/07/21 12:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.99	mg/Kg	☼	05/07/21 08:07	05/07/21 15:27	1
Cyanide, Total	0.28	U	0.28	0.16	mg/Kg	☼	05/11/21 09:12	05/11/21 14:52	1
Oil & Grease	1070		702	234	mg/Kg	☼	05/07/21 20:30	05/10/21 08:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/06/21 10:13	1
Cr (III)	25.6		2.0	2.0	mg/Kg			05/11/21 06:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/12/21 12:49	05/12/21 16:03	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/12/21 12:43	05/12/21 16:01	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/06/21 11:05	1
Percent Moisture	15.5		1.0	1.0	%			05/06/21 09:04	1
Percent Solids	84.5		1.0	1.0	%			05/06/21 09:04	1
Total Solids	87.4		0.10	0.10	%			05/06/21 08:36	1
Total Volatile Solids	1.9		0.10	0.10	%			05/06/21 08:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.2				S.U.			05/07/21 12:00	1

Client Sample ID: WC-4 (0-5)
Lab Sample ID: 460-233560-1
Date Collected: 05/04/21 11:30
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 84.5

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.4**				S.U.			05/07/21 12:00	1
Temperature	**22.8**				Degrees C			05/07/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	100	U	100	28.0	mg/L			05/10/21 08:00	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/10/21 18:31	1
Total Solids	10.0	U	10.0	10.0	mg/L			05/10/21 09:32	1

Client Sample ID: WC-4-A (1-3)
Lab Sample ID: 460-233560-2
Date Collected: 05/04/21 11:25
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
2-Hexanone	0.0060	U	0.0060	0.0021	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Acetone	**0.0082**		0.0072	0.0069	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Bromomethane	0.0024	U *	0.0024	0.0012	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Carbon disulfide	**0.00044**	**J**	0.0012	0.00032	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-4-A (1-3)

Date Collected: 05/04/21 11:25
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-2

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Methyl acetate	0.0060	U	0.0060	0.0052	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	05/05/21 20:55	05/08/21 01:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/05/21 20:55*	*05/08/21 01:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*77 - 145*	*05/05/21 20:55*	*05/08/21 01:01*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*	*05/05/21 20:55*	*05/08/21 01:01*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*05/05/21 20:55*	*05/08/21 01:01*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*05/05/21 20:55*	*05/08/21 01:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/07/21 15:13	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/07/21 15:13	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/07/21 15:13	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/07/21 15:13	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/07/21 15:13	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/07/21 15:13	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/07/21 15:13	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/07/21 15:13	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/07/21 15:13	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/07/21 15:13	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/07/21 15:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/07/21 15:13*	*10*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/07/21 15:13*	*10*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*05/07/21 15:13*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/07/21 15:13*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		1.0	1.0	%			05/06/21 09:04	1

Client Sample ID: WC-4-A (1-3)
Lab Sample ID: 460-233560-2

Date Collected: 05/04/21 11:25
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 88.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.8**		1.0	1.0	%			05/06/21 09:04	1

Client Sample ID: WC-3 (0-5)
Lab Sample ID: 460-233560-3

Date Collected: 05/04/21 09:30
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 90.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0066	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4-Dinitrophenol	0.30	U *	0.30	0.18	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Methylnaphthalene	**0.010**	**J**	0.37	0.010	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
2-Nitrophenol	0.37	U *	0.37	0.037	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
3-Nitroaniline	0.37	U	0.37	0.041	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Acenaphthylene	0.37	U	0.37	0.0037	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzo[a]anthracene	**0.14**		0.037	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzo[a]pyrene	**0.19**		0.037	0.0098	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzo[b]fluoranthene	**0.26**		0.037	0.0095	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzo[g,h,i]perylene	**0.16**	**J**	0.37	0.011	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Benzo[k]fluoranthene	**0.076**		0.037	0.0072	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-3 (0-5)
Date Collected: 05/04/21 09:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-3
Matrix: Solid
Percent Solids: 90.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Chrysene	**0.17**	**J**	0.37	0.0062	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Dibenz(a,h)anthracene	**0.043**		0.037	0.016	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Dibenzofuran	0.37	U	0.37	0.0052	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Diethyl phthalate	0.37	U	0.37	0.0053	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Fluoranthene	**0.24**	**J**	0.37	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Fluorene	0.37	U	0.37	0.0050	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.037	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Naphthalene	**0.016**	**J**	0.37	0.0063	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Nitrobenzene	0.037	U	0.037	0.0088	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Phenanthrene	**0.10**	**J**	0.37	0.0065	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1
Pyrene	**0.24**	**J**	0.37	0.0091	mg/Kg	☼	05/05/21 17:13	05/06/21 05:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.40*	*A J*	*mg/Kg*	☼	*2.60*		*05/05/21 17:13*	*05/06/21 05:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 123*	*05/05/21 17:13*	*05/06/21 05:14*	*1*
2-Fluorobiphenyl	*56*		*14 - 103*	*05/05/21 17:13*	*05/06/21 05:14*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 105*	*05/05/21 17:13*	*05/06/21 05:14*	*1*
Nitrobenzene-d5 (Surr)	*54*		*11 - 104*	*05/05/21 17:13*	*05/06/21 05:14*	*1*
Phenol-d5 (Surr)	*45*		*15 - 100*	*05/05/21 17:13*	*05/06/21 05:14*	*1*
Terphenyl-d14 (Surr)	*68*		*12 - 126*	*05/05/21 17:13*	*05/06/21 05:14*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	**0.0011**	**J**	0.010	0.00044	mg/L		05/07/21 10:36	05/08/21 01:21	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/08/21 01:21	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/08/21 01:21	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/08/21 01:21	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/08/21 01:21	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/08/21 01:21	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/08/21 01:21	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/08/21 01:21	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/08/21 01:21	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/08/21 01:21	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-3 (0-5)
Date Collected: 05/04/21 09:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-3
Matrix: Solid
Percent Solids: 90.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/08/21 01:21	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/08/21 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*	*05/07/21 10:36*	*05/08/21 01:21*	*1*
2-Fluorobiphenyl	*50*		*42 - 127*	*05/07/21 10:36*	*05/08/21 01:21*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*05/07/21 10:36*	*05/08/21 01:21*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*	*05/07/21 10:36*	*05/08/21 01:21*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*05/07/21 10:36*	*05/08/21 01:21*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 150*	*05/07/21 10:36*	*05/08/21 01:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
4,4'-DDE	**0.013**		0.0074	0.00088	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
4,4'-DDT	**0.011**	**p**	0.0074	0.0014	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	05/06/21 09:29	05/07/21 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*10 - 150*	*05/06/21 09:29*	*05/07/21 07:39*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*05/06/21 09:29*	*05/07/21 07:39*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*05/06/21 09:29*	*05/07/21 07:39*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*05/06/21 09:29*	*05/07/21 07:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:38	05/10/21 07:49	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 07:49	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:38	05/10/21 07:49	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:38	05/10/21 07:49	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:38	05/10/21 07:49	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 07:49	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:38	05/10/21 07:49	1

Client Sample ID: WC-3 (0-5)
Date Collected: 05/04/21 09:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-3
Matrix: Solid
Percent Solids: 90.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		10 - 150	05/07/21 19:38	05/10/21 07:49	1
DCB Decachlorobiphenyl	59		10 - 150	05/07/21 19:38	05/10/21 07:49	1
Tetrachloro-m-xylene	60		10 - 150	05/07/21 19:38	05/10/21 07:49	1
Tetrachloro-m-xylene	60		10 - 150	05/07/21 19:38	05/10/21 07:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0099	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1221	0.074	U	0.074	0.0099	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1232	0.074	U	0.074	0.0099	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1242	0.074	U	0.074	0.0099	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1248	0.074	U	0.074	0.0099	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1254	**0.23**		0.074	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1
Polychlorinated biphenyls, Total	**0.23**		0.074	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		37 - 150	05/06/21 09:25	05/07/21 14:17	1
DCB Decachlorobiphenyl	89		37 - 150	05/06/21 09:25	05/07/21 14:17	1
Tetrachloro-m-xylene	70		54 - 150	05/06/21 09:25	05/07/21 14:17	1
Tetrachloro-m-xylene	92		54 - 150	05/06/21 09:25	05/07/21 14:17	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/07/21 19:36	05/10/21 13:35	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/07/21 19:36	05/10/21 13:35	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/07/21 19:36	05/10/21 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	105		65 - 150	05/07/21 19:36	05/10/21 13:35	1
2,4-Dichlorophenylacetic acid	115		65 - 150	05/07/21 19:36	05/10/21 13:35	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/07/21 23:44	05/10/21 14:02	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/07/21 23:44	05/10/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	53		28 - 150	05/07/21 23:44	05/10/21 14:02	1
2,4-Dichlorophenylacetic acid	58		28 - 150	05/07/21 23:44	05/10/21 14:02	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**450**		2.2	2.2	mg/Kg	☼	05/06/21 09:33	05/07/21 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		40 - 140	05/06/21 09:33	05/07/21 13:24	1
1-Chlorooctadecane	116		40 - 140	05/06/21 09:33	05/07/21 13:24	1

Client Sample ID: WC-3 (0-5)
Date Collected: 05/04/21 09:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-3
Matrix: Solid
Percent Solids: 90.1

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/07/21 16:55	05/12/21 18:33	5
Barium	**0.37**	**J**	1.0	0.066	mg/L		05/07/21 16:55	05/12/21 18:33	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/07/21 16:55	05/12/21 18:33	5
Chromium	0.050	U	0.050	0.025	mg/L		05/07/21 16:55	05/12/21 18:33	5
Lead	**0.015**	**J**	0.050	0.012	mg/L		05/07/21 16:55	05/12/21 18:33	5
Selenium	0.10	U	0.10	0.029	mg/L		05/07/21 16:55	05/12/21 18:33	5
Silver	0.050	U	0.050	0.029	mg/L		05/07/21 16:55	05/12/21 18:33	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7240**		21.3	2.8	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Antimony	**0.18**	**J**	1.1	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Arsenic	**3.1**		1.1	0.11	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Barium	**68.1**		2.1	0.15	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Beryllium	**0.35**	**J**	0.43	0.061	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Cadmium	**0.16**	**J**	1.1	0.12	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Calcium	**24200**		107	18.1	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Chromium	**16.8**		2.1	0.19	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Cobalt	**6.1**		2.1	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Copper	**32.8**		2.1	0.23	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Iron	**15100**		64.0	21.6	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Lead	**60.1**		0.64	0.21	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Magnesium	**9140**		107	10.9	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Manganese	**241**		4.3	0.43	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Nickel	**14.9**		2.1	0.21	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Potassium	**1880**		107	12.0	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Selenium	**0.23**	**J**	1.3	0.13	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Silver	1.1	U	1.1	0.095	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Sodium	**340**		107	16.7	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Thallium	**0.13**	**J**	0.43	0.044	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Vanadium	**27.3**		2.1	0.22	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1
Zinc	**70.9**		8.5	2.4	mg/Kg	☼	05/10/21 03:02	05/10/21 16:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/07/21 13:03	05/07/21 15:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.091	0.021	mg/Kg	☼	05/07/21 03:20	05/07/21 10:29	5

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**	**HF**			SU			05/07/21 12:26	1
Corrosivity	**9.4**	**HF**			SU			05/07/21 12:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.93	mg/Kg	☼	05/07/21 08:07	05/07/21 15:27	1
Cyanide, Total	0.27	U	0.27	0.15	mg/Kg	☼	05/11/21 09:12	05/11/21 14:53	1
Oil & Grease	**1900**		662	221	mg/Kg	☼	05/07/21 20:30	05/10/21 08:25	1

Client Sample ID: WC-3 (0-5)
Lab Sample ID: 460-233560-3
Date Collected: 05/04/21 09:30
Matrix: Solid
Date Received: 05/04/21 19:00
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/06/21 10:13	1
Cr (III)	**16.8**		2.0	2.0	mg/Kg			05/11/21 06:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/12/21 12:49	05/12/21 16:03	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/12/21 12:43	05/12/21 16:01	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/06/21 11:10	1
Percent Moisture	**9.9**		1.0	1.0	%			05/06/21 09:04	1
Percent Solids	**90.1**		1.0	1.0	%			05/06/21 09:04	1
Total Solids	**92.3**		0.10	0.10	%			05/06/21 08:36	1
Total Volatile Solids	**2.5**		0.10	0.10	%			05/06/21 08:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.6**				S.U.			05/07/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.2**				S.U.			05/07/21 12:00	1
Temperature	**22.8**				Degrees C			05/07/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	99.9	U	99.9	28.0	mg/L			05/10/21 08:00	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/10/21 18:31	1
Total Solids	**93.0**		10.0	10.0	mg/L			05/10/21 09:32	1

Client Sample ID: WC-5A (3-5)
Lab Sample ID: 460-233638-1
Date Collected: 05/05/21 08:50
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
2-Butanone (MEK)	0.0065	U *	0.0065	0.00048	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Acetone	0.0078	U	0.0078	0.0074	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-5A (3-5)
Date Collected: 05/05/21 08:50
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-1
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Carbon disulfide	**0.0011**	**J**	0.0013	0.00035	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	05/06/21 07:38	05/10/21 13:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/06/21 07:38*	*05/10/21 13:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/06/21 07:38*	*05/10/21 13:46*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*05/06/21 07:38*	*05/10/21 13:46*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*05/06/21 07:38*	*05/10/21 13:46*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*05/06/21 07:38*	*05/10/21 13:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/07/21 15:39	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/07/21 15:39	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/07/21 15:39	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/07/21 15:39	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/07/21 15:39	10

Client Sample ID: WC-5A (3-5)
Lab Sample ID: 460-233638-1

Date Collected: 05/05/21 08:50
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/07/21 15:39	10
Chlorobenzene	**0.049**		0.010	0.0038	mg/L			05/07/21 15:39	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/07/21 15:39	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/07/21 15:39	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/07/21 15:39	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/07/21 15:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/07/21 15:39*	*10*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/07/21 15:39*	*10*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*05/07/21 15:39*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/07/21 15:39*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		1.0	1.0	%			05/06/21 15:14	1
Percent Solids	**92.8**		1.0	1.0	%			05/06/21 15:14	1

Client Sample ID: WC-6C (5-7)
Lab Sample ID: 460-233638-2

Date Collected: 05/05/21 11:45
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0018	U	0.0018	0.00041	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,1,2,2-Tetrachloroethane	0.0018	U	0.0018	0.00037	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0018	U	0.0018	0.00053	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,1,2-Trichloroethane	0.0018	U	0.0018	0.00031	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,1-Dichloroethane	0.0018	U	0.0018	0.00036	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,1-Dichloroethene	0.0018	U	0.0018	0.00039	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2,3-Trichlorobenzene	0.0018	U	0.0018	0.00032	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2,4-Trichlorobenzene	0.0018	U	0.0018	0.00063	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2-Dibromo-3-Chloropropane	0.0018	U	0.0018	0.00081	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2-Dichlorobenzene	0.0018	U	0.0018	0.00063	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2-Dichloroethane	0.0018	U	0.0018	0.00052	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,2-Dichloropropane	0.0018	U	0.0018	0.00074	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,3-Dichlorobenzene	0.0018	U	0.0018	0.00064	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
1,4-Dichlorobenzene	**0.0020**		0.0018	0.00039	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
2-Butanone (MEK)	**0.010**	*	0.0088	0.00064	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
2-Hexanone	0.0088	U	0.0088	0.0030	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
4-Methyl-2-pentanone (MIBK)	0.0088	U	0.0088	0.0027	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Acetone	**0.051**		0.011	0.010	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Benzene	0.0018	U	0.0018	0.00045	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Bromoform	0.0018	U	0.0018	0.00074	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Bromomethane	0.0035	U	0.0035	0.0018	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Carbon disulfide	**0.0069**		0.0018	0.00047	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Carbon tetrachloride	0.0018	U	0.0018	0.00068	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Chlorobenzene	0.0018	U	0.0018	0.00031	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Chlorobromomethane	0.0018	U	0.0018	0.00049	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Chlorodibromomethane	0.0018	U	0.0018	0.00034	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1

Client Sample ID: WC-6C (5-7)
Date Collected: 05/05/21 11:45
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-2
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Chloroform	0.0018	U	0.0018	0.0017	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Chloromethane	0.0018	U	0.0018	0.00076	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
cis-1,2-Dichloroethene	0.0018	U	0.0018	0.00063	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
cis-1,3-Dichloropropene	0.0018	U	0.0018	0.00048	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Cyclohexane	0.0018	U	0.0018	0.00039	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Dichlorobromomethane	0.0018	U	0.0018	0.00045	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Dichlorodifluoromethane	0.0018	U	0.0018	0.00059	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Ethylbenzene	**0.0054**		0.0018	0.00035	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Ethylene Dibromide	0.0018	U	0.0018	0.00032	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Isopropylbenzene	**0.0046**		0.0018	0.00050	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Methyl acetate	0.0088	U	0.0088	0.0075	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Methyl tert-butyl ether	0.0018	U	0.0018	0.00090	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Methylcyclohexane	0.0018	U	0.0018	0.00087	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Methylene Chloride	0.0035	U	0.0035	0.0020	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
m-Xylene & p-Xylene	**0.0020**	**B**	0.0018	0.00030	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
o-Xylene	**0.0014**	**J**	0.0018	0.00034	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Styrene	**0.0013**	**J B**	0.0018	0.00049	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Tetrachloroethene	**0.00061**	**J**	0.0018	0.00053	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Toluene	**0.00087**	**J**	0.0018	0.00041	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
trans-1,2-Dichloroethene	0.0018	U	0.0018	0.00043	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
trans-1,3-Dichloropropene	0.0018	U	0.0018	0.00047	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Trichloroethene	**0.00060**	**J**	0.0018	0.00056	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Trichlorofluoromethane	0.0018	U	0.0018	0.00071	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1
Vinyl chloride	0.0018	U	0.0018	0.00096	mg/Kg	☼	05/06/21 07:39	05/10/21 14:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Naphthalene	*0.19*	*J N*	*mg/Kg*	☼	*12.78*	*91-20-3*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
Naphthalene, 2-methyl-	*0.070*	*J N*	*mg/Kg*	☼	*13.56*	*91-57-6*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
Naphthalene, 1-methyl-	*0.040*	*J N*	*mg/Kg*	☼	*13.69*	*90-12-0*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
Biphenyl	*0.012*	*J N*	*mg/Kg*	☼	*14.09*	*92-52-4*	*05/06/21 07:39*	*05/10/21 14:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
Dibromofluoromethane (Surr)	*97*		*48 - 150*	*05/06/21 07:39*	*05/10/21 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*05/06/21 07:39*	*05/10/21 14:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/07/21 16:04	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/07/21 16:04	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/07/21 16:04	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/07/21 16:04	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/07/21 16:04	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/07/21 16:04	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/07/21 16:04	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/07/21 16:04	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/07/21 16:04	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/07/21 16:04	10

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-6C (5-7)

Lab Sample ID: 460-233638-2
Date Collected: 05/05/21 11:45
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/07/21 16:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/07/21 16:04*	*10*
4-Bromofluorobenzene	*110*		*76 - 120*		*05/07/21 16:04*	*10*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*05/07/21 16:04*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/07/21 16:04*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.7**		1.0	1.0	%			05/06/21 15:36	1
Percent Solids	**81.3**		1.0	1.0	%			05/06/21 15:36	1

Client Sample ID: WC-6A (3-5)

Lab Sample ID: 460-233638-3
Date Collected: 05/05/21 13:30
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
2-Butanone (MEK)	0.0071	U *	0.0071	0.00052	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
2-Hexanone	0.0071	U	0.0071	0.0024	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
4-Methyl-2-pentanone (MIBK)	0.0071	U	0.0071	0.0022	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-6A (3-5)
Date Collected: 05/05/21 13:30
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-3
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Methyl acetate	0.0071	U	0.0071	0.0061	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	05/06/21 07:41	05/10/21 14:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/06/21 07:41*	*05/10/21 14:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*	*05/06/21 07:41*	*05/10/21 14:33*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*05/06/21 07:41*	*05/10/21 14:33*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*05/06/21 07:41*	*05/10/21 14:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/06/21 07:41*	*05/10/21 14:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/07/21 16:30	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/07/21 16:30	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/07/21 16:30	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/07/21 16:30	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/07/21 16:30	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/07/21 16:30	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/07/21 16:30	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/07/21 16:30	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/07/21 16:30	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/07/21 16:30	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/07/21 16:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/07/21 16:30*	*10*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/07/21 16:30*	*10*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*05/07/21 16:30*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/07/21 16:30*	*10*

Client Sample ID: WC-6A (3-5)
Lab Sample ID: 460-233638-3

Date Collected: 05/05/21 13:30
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 81.6

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.4**		1.0	1.0	%			05/06/21 15:36	1
Percent Solids	**81.6**		1.0	1.0	%			05/06/21 15:36	1

Client Sample ID: WC-5 (0-5)
Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0050	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Acenaphthylene	**0.013**	**J**	0.38	0.0038	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Anthracene	**0.029**	**J**	0.38	0.012	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzo[a]anthracene	**0.087**		0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzo[a]pyrene	**0.10**		0.038	0.010	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzo[b]fluoranthene	**0.15**		0.038	0.0098	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzo[g,h,i]perylene	**0.056**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Benzo[k]fluoranthene	**0.063**		0.038	0.0075	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-5 (0-5)
Date Collected: 05/05/21 10:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-4
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.057**	**J**	0.38	0.020	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Chrysene	**0.093**	**J**	0.38	0.0064	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Dibenzofuran	**0.0098**	**J**	0.38	0.0053	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Fluoranthene	**0.16**	**J**	0.38	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Fluorene	**0.011**	**J**	0.38	0.0052	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Indeno[1,2,3-cd]pyrene	**0.062**		0.038	0.015	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Naphthalene	**0.018**	**J**	0.38	0.0066	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Phenanthrene	**0.080**	**J**	0.38	0.0067	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1
Pyrene	**0.17**	**J**	0.38	0.0095	mg/Kg	☼	05/07/21 16:02	05/08/21 05:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*12*	*A J*	*mg/Kg*	☼	*2.91*		*05/07/21 16:02*	*05/08/21 05:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*23*		*10 - 123*	*05/07/21 16:02*	*05/08/21 05:24*	*1*
2-Fluorobiphenyl	*49*		*14 - 103*	*05/07/21 16:02*	*05/08/21 05:24*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 105*	*05/07/21 16:02*	*05/08/21 05:24*	*1*
Nitrobenzene-d5 (Surr)	*48*		*11 - 104*	*05/07/21 16:02*	*05/08/21 05:24*	*1*
Phenol-d5 (Surr)	*52*		*15 - 100*	*05/07/21 16:02*	*05/08/21 05:24*	*1*
Terphenyl-d14 (Surr)	*54*		*12 - 126*	*05/07/21 16:02*	*05/08/21 05:24*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/07/21 10:36	05/08/21 02:04	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/08/21 02:04	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/08/21 02:04	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/08/21 02:04	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/08/21 02:04	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/08/21 02:04	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/08/21 02:04	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/08/21 02:04	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/08/21 02:04	1

Client Sample ID: WC-5 (0-5) | **Lab Sample ID: 460-233638-4**
Date Collected: 05/05/21 10:25 | **Matrix: Solid**
Date Received: 05/05/21 17:30 | **Percent Solids: 87.0**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/08/21 02:04	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/08/21 02:04	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/08/21 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*33 - 150*	*05/07/21 10:36*	*05/08/21 02:04*	*1*
2-Fluorobiphenyl	*57*		*42 - 127*	*05/07/21 10:36*	*05/08/21 02:04*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*05/07/21 10:36*	*05/08/21 02:04*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*05/07/21 10:36*	*05/08/21 02:04*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*05/07/21 10:36*	*05/08/21 02:04*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 150*	*05/07/21 10:36*	*05/08/21 02:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	05/06/21 09:29	05/07/21 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/06/21 09:29*	*05/07/21 10:23*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*05/06/21 09:29*	*05/07/21 10:23*	*1*
Tetrachloro-m-xylene	*71*		*10 - 133*	*05/06/21 09:29*	*05/07/21 10:23*	*1*
Tetrachloro-m-xylene	*69*		*10 - 133*	*05/06/21 09:29*	*05/07/21 10:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:42	05/10/21 12:25	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 12:25	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:42	05/10/21 12:25	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:42	05/10/21 12:25	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:42	05/10/21 12:25	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 12:25	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:42	05/10/21 12:25	1

Client Sample ID: WC-5 (0-5)
Date Collected: 05/05/21 10:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-4
Matrix: Solid
Percent Solids: 87.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 150	05/07/21 19:42	05/10/21 12:25	1
DCB Decachlorobiphenyl	54		10 - 150	05/07/21 19:42	05/10/21 12:25	1
Tetrachloro-m-xylene	61		10 - 150	05/07/21 19:42	05/10/21 12:25	1
Tetrachloro-m-xylene	63		10 - 150	05/07/21 19:42	05/10/21 12:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1260	**0.23**		0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1
Polychlorinated biphenyls, Total	**0.23**		0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		37 - 150	05/06/21 09:25	05/07/21 18:11	1
DCB Decachlorobiphenyl	109		37 - 150	05/06/21 09:25	05/07/21 18:11	1
Tetrachloro-m-xylene	78		54 - 150	05/06/21 09:25	05/07/21 18:11	1
Tetrachloro-m-xylene	113		54 - 150	05/06/21 09:25	05/07/21 18:11	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	05/07/21 19:36	05/10/21 12:54	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/07/21 19:36	05/10/21 12:54	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	05/07/21 19:36	05/10/21 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	112		65 - 150	05/07/21 19:36	05/10/21 12:54	1
2,4-Dichlorophenylacetic acid	112		65 - 150	05/07/21 19:36	05/10/21 12:54	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/07/21 23:44	05/10/21 14:15	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/07/21 23:44	05/10/21 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	56		28 - 150	05/07/21 23:44	05/10/21 14:15	1
2,4-Dichlorophenylacetic acid	62		28 - 150	05/07/21 23:44	05/10/21 14:15	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**130**		2.3	2.3	mg/Kg	☼	05/06/21 09:39	05/07/21 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	122		40 - 140	05/06/21 09:39	05/07/21 10:09	1
1-Chlorooctadecane	148	*	40 - 140	05/06/21 09:39	05/07/21 10:09	1

Client Sample ID: WC-5 (0-5)
Date Collected: 05/05/21 10:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-4
Matrix: Solid
Percent Solids: 87.0

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/07/21 16:55	05/12/21 18:25	5
Barium	**0.51**	**J**	1.0	0.066	mg/L		05/07/21 16:55	05/12/21 18:25	5
Cadmium	**0.0024**	**J**	0.020	0.0016	mg/L		05/07/21 16:55	05/12/21 18:25	5
Chromium	0.050	U	0.050	0.025	mg/L		05/07/21 16:55	05/12/21 18:25	5
Lead	**0.018**	**J**	0.050	0.012	mg/L		05/07/21 16:55	05/12/21 18:25	5
Selenium	0.10	U	0.10	0.029	mg/L		05/07/21 16:55	05/12/21 18:25	5
Silver	0.050	U	0.050	0.029	mg/L		05/07/21 16:55	05/12/21 18:25	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8020**		21.9	2.8	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Antimony	**0.43**	**J**	1.1	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Arsenic	**3.0**		1.1	0.11	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Barium	**91.5**		2.2	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Beryllium	**0.33**	**J**	0.44	0.062	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Cadmium	**0.20**	**J**	1.1	0.12	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Calcium	**49500**		109	18.6	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Chromium	**20.5**		2.2	0.19	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Cobalt	**7.8**		2.2	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Copper	**47.1**		2.2	0.24	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Iron	**16300**		65.7	22.1	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Lead	**60.6**		0.66	0.22	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Magnesium	**26200**		109	11.2	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Manganese	**261**		4.4	0.44	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Nickel	**18.9**		2.2	0.21	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Potassium	**3540**		109	12.3	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Selenium	**0.24**	**J**	1.4	0.13	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Silver	**0.11**	**J**	1.1	0.097	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Sodium	**326**		109	17.1	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Thallium	**0.18**	**J**	0.44	0.045	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Vanadium	**27.3**		2.2	0.23	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1
Zinc	**81.5**		8.8	2.5	mg/Kg	☼	05/10/21 03:02	05/10/21 16:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/07/21 13:04	05/07/21 15:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.019	0.0044	mg/Kg	☼	05/10/21 03:12	05/10/21 07:31	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**11.5**	**HF**			SU			05/07/21 13:39	1
Corrosivity	**11.5**	**HF**			SU			05/07/21 13:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.99	mg/Kg	☼	05/12/21 09:55	05/13/21 12:25	1
Cyanide, Total	0.27	U	0.27	0.14	mg/Kg	☼	05/13/21 10:43	05/14/21 14:27	1
Oil & Grease	**1770**		678	226	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Client Sample ID: WC-5 (0-5)
Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 87.0

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/12/21 12:59	1
Cr (III)	**20.5**		2.0	2.0	mg/Kg			05/06/21 05:11	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/12/21 12:49	05/12/21 16:03	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/12/21 12:43	05/12/21 16:01	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	**13.0**		1.0	1.0	%			05/06/21 15:36	1
Percent Solids	**87.0**		1.0	1.0	%			05/06/21 15:36	1
Total Solids	**78.5**		0.10	0.10	%			05/06/21 08:36	1
Total Volatile Solids	**2.2**		0.10	0.10	%			05/06/21 08:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.6**				S.U.			05/07/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.1**				S.U.			05/07/21 12:00	1
Temperature	**22.8**				Degrees C			05/07/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.9**	**J**	5.2	1.5	mg/L			05/10/21 17:08	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**27.0**		10.0	10.0	mg/Kg			05/11/21 18:20	1
Total Solids	**102**		10.0	10.0	mg/L			05/10/21 13:51	1

Client Sample ID: WC-6 (0-5)
Lab Sample ID: 460-233638-5

Date Collected: 05/05/21 13:25
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 87.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0050	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-6 (0-5)
Date Collected: 05/05/21 13:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-5
Matrix: Solid
Percent Solids: 87.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Acenaphthene	**0.013**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Acenaphthylene	**0.014**	**J**	0.38	0.0038	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Anthracene	**0.038**	**J**	0.38	0.012	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzo[a]anthracene	**0.13**		0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzo[a]pyrene	**0.13**		0.038	0.010	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzo[b]fluoranthene	**0.20**		0.038	0.0098	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzo[g,h,i]perylene	**0.070**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Benzo[k]fluoranthene	**0.081**		0.038	0.0074	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Bis(2-ethylhexyl) phthalate	**0.051**	**J**	0.38	0.020	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Butyl benzyl phthalate	**0.032**	**J**	0.38	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Carbazole	**0.016**	**J**	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Chrysene	**0.13**	**J**	0.38	0.0064	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Dibenz(a,h)anthracene	**0.022**	**J**	0.038	0.016	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Dibenzofuran	**0.014**	**J**	0.38	0.0053	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Fluoranthene	**0.23**	**J**	0.38	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Fluorene	**0.017**	**J**	0.38	0.0051	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Indeno[1,2,3-cd]pyrene	**0.072**		0.038	0.015	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Naphthalene	**0.014**	**J**	0.38	0.0065	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Phenanthrene	**0.12**	**J**	0.38	0.0067	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-6 (0-5)
Date Collected: 05/05/21 13:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-5
Matrix: Solid
Percent Solids: 87.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**0.23**	**J**	0.38	0.0094	mg/Kg	☼	05/07/21 16:02	05/08/21 05:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*4.8*	*A J*	*mg/Kg*	☼	*2.91*		*05/07/21 16:02*	*05/08/21 05:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*27*		*10 - 123*	*05/07/21 16:02*	*05/08/21 05:48*	*1*
2-Fluorobiphenyl	*46*		*14 - 103*	*05/07/21 16:02*	*05/08/21 05:48*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 105*	*05/07/21 16:02*	*05/08/21 05:48*	*1*
Nitrobenzene-d5 (Surr)	*45*		*11 - 104*	*05/07/21 16:02*	*05/08/21 05:48*	*1*
Phenol-d5 (Surr)	*50*		*15 - 100*	*05/07/21 16:02*	*05/08/21 05:48*	*1*
Terphenyl-d14 (Surr)	*53*		*12 - 126*	*05/07/21 16:02*	*05/08/21 05:48*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/07/21 10:36	05/08/21 02:25	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/08/21 02:25	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/08/21 02:25	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/08/21 02:25	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/08/21 02:25	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/08/21 02:25	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/08/21 02:25	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/08/21 02:25	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/08/21 02:25	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/08/21 02:25	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/08/21 02:25	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/08/21 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*33 - 150*	*05/07/21 10:36*	*05/08/21 02:25*	*1*
2-Fluorobiphenyl	*47*		*42 - 127*	*05/07/21 10:36*	*05/08/21 02:25*	*1*
2-Fluorophenol (Surr)	*34*		*18 - 72*	*05/07/21 10:36*	*05/08/21 02:25*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 137*	*05/07/21 10:36*	*05/08/21 02:25*	*1*
Phenol-d5 (Surr)	*24*		*10 - 50*	*05/07/21 10:36*	*05/08/21 02:25*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 150*	*05/07/21 10:36*	*05/08/21 02:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
4,4'-DDE	**0.0057**	**J**	0.0077	0.00090	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Chlordane (technical)	**0.060**	**J**	0.077	0.019	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Dieldrin	**0.010**		0.0023	0.0010	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1

Client Sample ID: WC-6 (0-5)
Lab Sample ID: 460-233638-5
Date Collected: 05/05/21 13:25
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 87.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Heptachlor	0.0077	U	0.0077	0.00090	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	05/06/21 09:29	05/07/21 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*05/06/21 09:29*	*05/07/21 10:36*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*05/06/21 09:29*	*05/07/21 10:36*	*1*
Tetrachloro-m-xylene	*69*		*10 - 133*	*05/06/21 09:29*	*05/07/21 10:36*	*1*
Tetrachloro-m-xylene	*68*		*10 - 133*	*05/06/21 09:29*	*05/07/21 10:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:42	05/10/21 12:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 12:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:42	05/10/21 12:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:42	05/10/21 12:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:42	05/10/21 12:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 12:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:42	05/10/21 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*10 - 150*	*05/07/21 19:42*	*05/10/21 12:38*	*1*
DCB Decachlorobiphenyl	*44*		*10 - 150*	*05/07/21 19:42*	*05/10/21 12:38*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*05/07/21 19:42*	*05/10/21 12:38*	*1*
Tetrachloro-m-xylene	*60*		*10 - 150*	*05/07/21 19:42*	*05/10/21 12:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1260	**0.089**		0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1
Polychlorinated biphenyls, Total	**0.089**		0.077	0.011	mg/Kg	☼	05/06/21 09:25	05/07/21 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*37 - 150*	*05/06/21 09:25*	*05/07/21 18:31*	*1*
DCB Decachlorobiphenyl	*85*		*37 - 150*	*05/06/21 09:25*	*05/07/21 18:31*	*1*
Tetrachloro-m-xylene	*70*		*54 - 150*	*05/06/21 09:25*	*05/07/21 18:31*	*1*
Tetrachloro-m-xylene	*92*		*54 - 150*	*05/06/21 09:25*	*05/07/21 18:31*	*1*

Client Sample ID: WC-6 (0-5)
Date Collected: 05/05/21 13:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-5
Matrix: Solid
Percent Solids: 87.3

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	05/07/21 19:36	05/10/21 13:08	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/07/21 19:36	05/10/21 13:08	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	05/07/21 19:36	05/10/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*103*		*65 - 150*	*05/07/21 19:36*	*05/10/21 13:08*	*1*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*	*05/07/21 19:36*	*05/10/21 13:08*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/07/21 23:44	05/10/21 14:29	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/07/21 23:44	05/10/21 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*28 - 150*	*05/07/21 23:44*	*05/10/21 14:29*	*1*
2,4-Dichlorophenylacetic acid	*72*		*28 - 150*	*05/07/21 23:44*	*05/10/21 14:29*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**270**		2.3	2.3	mg/Kg	☼	05/06/21 09:39	05/07/21 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*40 - 140*	*05/06/21 09:39*	*05/07/21 10:27*	*1*
1-Chlorooctadecane	*137*		*40 - 140*	*05/06/21 09:39*	*05/07/21 10:27*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/07/21 16:55	05/12/21 18:16	5
Barium	**0.39**	**J**	1.0	0.066	mg/L		05/07/21 16:55	05/12/21 18:16	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/07/21 16:55	05/12/21 18:16	5
Chromium	0.050	U	0.050	0.025	mg/L		05/07/21 16:55	05/12/21 18:16	5
Lead	0.050	U	0.050	0.012	mg/L		05/07/21 16:55	05/12/21 18:16	5
Selenium	0.10	U	0.10	0.029	mg/L		05/07/21 16:55	05/12/21 18:16	5
Silver	0.050	U	0.050	0.029	mg/L		05/07/21 16:55	05/12/21 18:16	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		21.2	2.8	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Antimony	**0.26**	**J**	1.1	0.15	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Arsenic	**3.3**		1.1	0.11	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Barium	**67.8**		2.1	0.15	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Beryllium	**0.29**	**J**	0.42	0.060	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Cadmium	**0.18**	**J**	1.1	0.12	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Calcium	**57600**		530	90.1	mg/Kg	☼	05/10/21 03:02	05/10/21 16:45	5
Chromium	**16.9**		2.1	0.18	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Cobalt	**4.5**		2.1	0.16	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Copper	**28.6**		2.1	0.23	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Iron	**11900**		63.6	21.4	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Lead	**63.5**		0.64	0.21	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Magnesium	**6460**		106	10.8	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Manganese	**209**		4.2	0.43	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1

Client Sample ID: WC-6 (0-5)
Date Collected: 05/05/21 13:25
Date Received: 05/05/21 17:30

Lab Sample ID: 460-233638-5
Matrix: Solid
Percent Solids: 87.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	12.6		2.1	0.21	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Potassium	1350		106	11.9	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Selenium	0.13	J	1.3	0.13	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Silver	1.1	U	1.1	0.094	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Sodium	211		106	16.5	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Thallium	0.091	J	0.42	0.043	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Vanadium	20.3		2.1	0.22	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1
Zinc	68.7		8.5	2.4	mg/Kg	☼	05/10/21 03:02	05/10/21 16:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00012	J	0.00020	0.000091	mg/L		05/07/21 13:04	05/07/21 16:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.7		0.19	0.045	mg/Kg	☼	05/10/21 03:12	05/10/21 10:48	10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.2	HF			SU			05/07/21 13:41	1
Corrosivity	11.2	HF			SU			05/07/21 13:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.98	mg/Kg	☼	05/12/21 09:55	05/13/21 12:25	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/13/21 10:43	05/14/21 14:28	1
Oil & Grease	279	J	696	232	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/12/21 12:59	1
Cr (III)	16.9		2.0	2.0	mg/Kg			05/06/21 05:11	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/12/21 12:49	05/12/21 16:03	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/12/21 12:43	05/12/21 16:01	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	12.7		1.0	1.0	%			05/06/21 15:36	1
Percent Solids	87.3		1.0	1.0	%			05/06/21 15:36	1
Total Solids	87.3		0.10	0.10	%			05/06/21 08:36	1
Total Volatile Solids	2.1		0.10	0.10	%			05/06/21 08:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.6				S.U.			05/07/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.7				S.U.			05/07/21 12:00	1
Temperature	22.8				Degrees C			05/07/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	3.0	J	5.2	1.5	mg/L			05/10/21 17:08	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:21	1

Client Sample ID: WC-6 (0-5)
Lab Sample ID: 460-233638-5

Date Collected: 05/05/21 13:25
Matrix: Solid
Date Received: 05/05/21 17:30
Percent Solids: 87.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/10/21 18:31	1
Total Solids	**148**		10.0	10.0	mg/L			05/10/21 09:32	1

Client Sample ID: WC-8 (0-5)
Lab Sample ID: 460-233790-1

Date Collected: 05/06/21 14:15
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 86.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0051	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0070	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Acenaphthene	**0.032**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Acenaphthylene	**0.033**	**J**	0.38	0.0039	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Anthracene	**0.081**	**J**	0.38	0.012	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Atrazine	0.15	U	0.15	0.023	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzaldehyde	0.38	U	0.38	0.064	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzo[a]anthracene	**0.34**		0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzo[a]pyrene	**0.37**		0.038	0.010	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzo[b]fluoranthene	**0.40**		0.038	0.0099	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzo[g,h,i]perylene	**0.22**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Benzo[k]fluoranthene	**0.19**		0.038	0.0075	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Bis(2-ethylhexyl) phthalate	**6.2**		0.38	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1

Client Sample ID: WC-8 (0-5)
Date Collected: 05/06/21 14:15
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-1
Matrix: Solid
Percent Solids: 86.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Chrysene	**0.37**	**J**	0.38	0.0065	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Dibenz(a,h)anthracene	**0.047**		0.038	0.017	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Dibenzofuran	**0.016**	**J**	0.38	0.0054	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Diethyl phthalate	0.38	U	0.38	0.0056	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Fluoranthene	**0.64**		0.38	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Fluorene	**0.036**	**J**	0.38	0.0052	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Indeno[1,2,3-cd]pyrene	**0.22**		0.038	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Nitrobenzene	0.038	U	0.038	0.0092	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Phenanthrene	**0.29**	**J**	0.38	0.0068	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1
Pyrene	**0.73**		0.38	0.0096	mg/Kg	☼	05/07/21 23:38	05/09/21 02:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.51*	*J*	*mg/Kg*	☼	*2.20*		*05/07/21 23:38*	*05/09/21 02:33*	*1*
Aldol condensation product	*0.95*	*A J*	*mg/Kg*	☼	*2.93*		*05/07/21 23:38*	*05/09/21 02:33*	*1*
9,10-Dimethylanthracene	*0.35*	*J N*	*mg/Kg*	☼	*9.76*	*781-43-1*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
Unknown	*0.70*	*J*	*mg/Kg*	☼	*12.10*		*05/07/21 23:38*	*05/09/21 02:33*	*1*
Unknown	*0.81*	*J*	*mg/Kg*	☼	*12.62*		*05/07/21 23:38*	*05/09/21 02:33*	*1*
Unknown	*0.51*	*J*	*mg/Kg*	☼	*14.20*		*05/07/21 23:38*	*05/09/21 02:33*	*1*
.beta.-iso-Methyl ionone	*1.1*	*J N*	*mg/Kg*	☼	*14.67*	*1000285-40-2*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*15.30*		*05/07/21 23:38*	*05/09/21 02:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
2-Fluorobiphenyl	*81*		*14 - 103*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 105*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
Nitrobenzene-d5 (Surr)	*73*		*11 - 104*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
Phenol-d5 (Surr)	*74*		*15 - 100*	*05/07/21 23:38*	*05/09/21 02:33*	*1*
Terphenyl-d14 (Surr)	*104*		*12 - 126*	*05/07/21 23:38*	*05/09/21 02:33*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/11/21 10:06	05/11/21 21:19	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/11/21 10:06	05/11/21 21:19	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-8 (0-5)
Date Collected: 05/06/21 14:15
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-1
Matrix: Solid
Percent Solids: 86.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/11/21 10:06	05/11/21 21:19	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/11/21 10:06	05/11/21 21:19	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/11/21 10:06	05/11/21 21:19	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/11/21 10:06	05/11/21 21:19	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/11/21 10:06	05/11/21 21:19	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/11/21 10:06	05/11/21 21:19	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/11/21 10:06	05/11/21 21:19	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/11/21 10:06	05/11/21 21:19	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/11/21 10:06	05/11/21 21:19	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/11/21 10:06	05/11/21 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*33 - 150*	*05/11/21 10:06*	*05/11/21 21:19*	*1*
2-Fluorobiphenyl	*108*		*42 - 127*	*05/11/21 10:06*	*05/11/21 21:19*	*1*
2-Fluorophenol (Surr)	*59*		*18 - 72*	*05/11/21 10:06*	*05/11/21 21:19*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*	*05/11/21 10:06*	*05/11/21 21:19*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*05/11/21 10:06*	*05/11/21 21:19*	*1*
Terphenyl-d14 (Surr)	*117*		*39 - 150*	*05/11/21 10:06*	*05/11/21 21:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
4,4'-DDE	0.0078	U	0.0078	0.00092	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	05/09/21 15:29	05/10/21 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*10 - 150*	*05/09/21 15:29*	*05/10/21 21:43*	*1*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*05/09/21 15:29*	*05/10/21 21:43*	*1*
Tetrachloro-m-xylene	*90*		*10 - 133*	*05/09/21 15:29*	*05/10/21 21:43*	*1*
Tetrachloro-m-xylene	*91*		*10 - 133*	*05/09/21 15:29*	*05/10/21 21:43*	*1*

Client Sample ID: WC-8 (0-5)
Date Collected: 05/06/21 14:15
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-1
Matrix: Solid
Percent Solids: 86.1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 06:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 06:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 06:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 06:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 06:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 06:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/11/21 15:07*	*05/12/21 06:46*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/11/21 15:07*	*05/12/21 06:46*	*1*
Tetrachloro-m-xylene	*116*		*10 - 150*	*05/11/21 15:07*	*05/12/21 06:46*	*1*
Tetrachloro-m-xylene	*104*		*10 - 150*	*05/11/21 15:07*	*05/12/21 06:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1221	0.078	U	0.078	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1232	0.078	U	0.078	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1242	0.078	U	0.078	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1248	0.078	U	0.078	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1254	0.078	U	0.078	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1260	0.078	U	0.078	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor-1262	0.078	U	0.078	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Aroclor 1268	0.078	U	0.078	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*05/09/21 15:25*	*05/10/21 23:25*	*1*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*05/09/21 15:25*	*05/10/21 23:25*	*1*
Tetrachloro-m-xylene	*130*		*54 - 150*	*05/09/21 15:25*	*05/10/21 23:25*	*1*
Tetrachloro-m-xylene	*114*		*54 - 150*	*05/09/21 15:25*	*05/10/21 23:25*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0082	mg/Kg	☼	05/09/21 17:44	05/12/21 15:37	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	05/09/21 17:44	05/12/21 15:37	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0040	mg/Kg	☼	05/09/21 17:44	05/12/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*	*05/09/21 17:44*	*05/12/21 15:37*	*1*
2,4-Dichlorophenylacetic acid	*111*		*65 - 150*	*05/09/21 17:44*	*05/12/21 15:37*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:22	05/12/21 13:23	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:22	05/12/21 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:23*	*1*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:23*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-8 (0-5)

Date Collected: 05/06/21 14:15
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-1

Matrix: Solid
Percent Solids: 86.1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**170**		2.3	2.3	mg/Kg	☼	05/07/21 21:09	05/08/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*131*		*40 - 140*	*05/07/21 21:09*	*05/08/21 18:09*	*1*
1-Chlorooctadecane	*126*		*40 - 140*	*05/07/21 21:09*	*05/08/21 18:09*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/12/21 07:15	05/12/21 17:19	5
Barium	**0.46**	**J**	1.0	0.066	mg/L		05/12/21 07:15	05/12/21 17:19	5
Cadmium	**0.0021**	**J**	0.020	0.0016	mg/L		05/12/21 07:15	05/12/21 17:19	5
Chromium	0.050	U	0.050	0.025	mg/L		05/12/21 07:15	05/12/21 17:19	5
Lead	**0.051**		0.050	0.012	mg/L		05/12/21 07:15	05/12/21 17:19	5
Selenium	0.10	U	0.10	0.029	mg/L		05/12/21 07:15	05/12/21 17:19	5
Silver	0.050	U	0.050	0.029	mg/L		05/12/21 07:15	05/12/21 17:19	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11400**		22.1	2.9	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Arsenic	**1.6**		1.1	0.11	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Barium	**120**		2.2	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Beryllium	**0.25**	**J**	0.44	0.063	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Cadmium	**0.14**	**J**	1.1	0.12	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Calcium	**21800**		111	18.8	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Chromium	**21.2**		2.2	0.19	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Cobalt	**11.8**		2.2	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Copper	**33.9**		2.2	0.24	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Iron	**19500**		66.4	22.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Lead	**54.4**		0.66	0.22	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Magnesium	**11700**		111	11.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Manganese	**233**		4.4	0.45	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Nickel	**24.8**		2.2	0.21	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Potassium	**6620**		111	12.4	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Selenium	**0.16**	**J**	1.4	0.13	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Silver	1.1	U	1.1	0.098	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Sodium	**326**		111	17.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Thallium	**0.27**	**J**	0.44	0.045	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Vanadium	**34.4**		2.2	0.23	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1
Zinc	**83.1**		8.8	2.5	mg/Kg	☼	05/13/21 05:06	05/13/21 13:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/11/21 13:01	05/11/21 16:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.018	0.0043	mg/Kg	☼	05/12/21 03:04	05/12/21 07:07	1

Client Sample ID: WC-8 (0-5)
Lab Sample ID: 460-233790-1

Date Collected: 05/06/21 14:15
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 86.1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.6**	**HF**			SU			05/13/21 13:55	1
Corrosivity	**10.6**	**HF**			SU			05/13/21 13:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.4	U	2.4	1.0	mg/Kg	☼	05/12/21 09:55	05/13/21 13:12	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/13/21 10:43	05/14/21 14:45	1
Oil & Grease	**5090**		681	227	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/12/21 13:00	1
Cr (III)	**21.2**		2.0	2.0	mg/Kg			05/09/21 21:19	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	**13.9**		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	**86.1**		1.0	1.0	%			05/11/21 17:34	1
Total Solids	**93.8**		0.10	0.10	%			05/10/21 08:37	1
Total Volatile Solids	**1.6**		0.10	0.10	%			05/10/21 08:37	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.9**				S.U.			05/11/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.5**				S.U.			05/11/21 12:00	1
Temperature	**21.9**				Degrees C			05/11/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.8**	**J**	5.0	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**14.4**		10.0	10.0	mg/Kg			05/13/21 18:09	1
Total Solids	**124**		10.0	10.0	mg/L			05/12/21 07:01	1

Client Sample ID: WC-7 (0-5)
Lab Sample ID: 460-233790-2

Date Collected: 05/06/21 13:40
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0050	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-7 (0-5)
Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Acenaphthylene	0.38	U	0.38	0.0038	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzo[a]anthracene	**0.11**		0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzo[a]pyrene	**0.10**		0.038	0.010	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzo[b]fluoranthene	**0.13**		0.038	0.0098	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzo[g,h,i]perylene	**0.092**	**J**	0.38	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Benzo[k]fluoranthene	**0.072**		0.038	0.0075	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Bis(2-ethylhexyl) phthalate	**0.062**	**J**	0.38	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Butyl benzyl phthalate	**0.025**	**J**	0.38	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Chrysene	**0.13**	**J**	0.38	0.0064	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Dibenzofuran	0.38	U	0.38	0.0053	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Fluoranthene	**0.16**	**J**	0.38	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Fluorene	0.38	U	0.38	0.0052	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Indeno[1,2,3-cd]pyrene	**0.081**		0.038	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1

Client Sample ID: WC-7 (0-5)
Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Phenanthrene	**0.057**	**J**	0.38	0.0067	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1
Pyrene	**0.22**	**J**	0.38	0.0095	mg/Kg	☼	05/07/21 23:38	05/09/21 02:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.3*	*A J*	*mg/Kg*	☼	*2.93*		*05/07/21 23:38*	*05/09/21 02:11*	*1*
di-p-Tolylacetylene	*0.44*	*J N*	*mg/Kg*	☼	*9.76*	*2789-88-0*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
Unknown	*0.62*	*J*	*mg/Kg*	☼	*12.37*		*05/07/21 23:38*	*05/09/21 02:11*	*1*
Unknown	*0.58*	*J*	*mg/Kg*	☼	*15.85*		*05/07/21 23:38*	*05/09/21 02:11*	*1*
Unknown	*0.88*	*J*	*mg/Kg*	☼	*16.13*		*05/07/21 23:38*	*05/09/21 02:11*	*1*
Unknown	*0.61*	*J*	*mg/Kg*	☼	*16.82*		*05/07/21 23:38*	*05/09/21 02:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
2-Fluorobiphenyl	*77*		*14 - 103*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 105*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
Nitrobenzene-d5 (Surr)	*69*		*11 - 104*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
Phenol-d5 (Surr)	*73*		*15 - 100*	*05/07/21 23:38*	*05/09/21 02:11*	*1*
Terphenyl-d14 (Surr)	*114*		*12 - 126*	*05/07/21 23:38*	*05/09/21 02:11*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/11/21 10:06	05/11/21 21:41	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/11/21 10:06	05/11/21 21:41	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/11/21 10:06	05/11/21 21:41	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/11/21 10:06	05/11/21 21:41	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/11/21 10:06	05/11/21 21:41	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/11/21 10:06	05/11/21 21:41	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/11/21 10:06	05/11/21 21:41	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/11/21 10:06	05/11/21 21:41	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/11/21 10:06	05/11/21 21:41	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/11/21 10:06	05/11/21 21:41	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/11/21 10:06	05/11/21 21:41	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/11/21 10:06	05/11/21 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*33 - 150*	*05/11/21 10:06*	*05/11/21 21:41*	*1*
2-Fluorobiphenyl	*115*		*42 - 127*	*05/11/21 10:06*	*05/11/21 21:41*	*1*
2-Fluorophenol (Surr)	*59*		*18 - 72*	*05/11/21 10:06*	*05/11/21 21:41*	*1*
Nitrobenzene-d5 (Surr)	*111*		*46 - 137*	*05/11/21 10:06*	*05/11/21 21:41*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*05/11/21 10:06*	*05/11/21 21:41*	*1*
Terphenyl-d14 (Surr)	*118*		*39 - 150*	*05/11/21 10:06*	*05/11/21 21:41*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-7 (0-5)

Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2

Matrix: Solid
Percent Solids: 87.0

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	05/09/21 15:29	05/10/21 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*		*10 - 150*	*05/09/21 15:29*	*05/10/21 21:59*	*1*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*05/09/21 15:29*	*05/10/21 21:59*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*05/09/21 15:29*	*05/10/21 21:59*	*1*
Tetrachloro-m-xylene	*65*		*10 - 133*	*05/09/21 15:29*	*05/10/21 21:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 07:00	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 07:00	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 07:00	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 07:00	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 07:00	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 07:00	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/11/21 15:07*	*05/12/21 07:00*	*1*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*05/11/21 15:07*	*05/12/21 07:00*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/11/21 15:07*	*05/12/21 07:00*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*05/11/21 15:07*	*05/12/21 07:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1

Client Sample ID: WC-7 (0-5)
Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2
Matrix: Solid
Percent Solids: 87.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1260	**0.37**		0.077	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1
Polychlorinated biphenyls, Total	**0.37**		0.077	0.011	mg/Kg	☼	05/09/21 15:25	05/10/21 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*37 - 150*	*05/09/21 15:25*	*05/10/21 23:44*	*1*
DCB Decachlorobiphenyl	*89*		*37 - 150*	*05/09/21 15:25*	*05/10/21 23:44*	*1*
Tetrachloro-m-xylene	*77*		*54 - 150*	*05/09/21 15:25*	*05/10/21 23:44*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*05/09/21 15:25*	*05/10/21 23:44*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	05/09/21 17:44	05/12/21 15:51	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/09/21 17:44	05/12/21 15:51	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	05/09/21 17:44	05/12/21 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*05/09/21 17:44*	*05/12/21 15:51*	*1*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*	*05/09/21 17:44*	*05/12/21 15:51*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:22	05/12/21 13:38	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:22	05/12/21 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:38*	*1*
2,4-Dichlorophenylacetic acid	*56*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:38*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**84**		2.3	2.3	mg/Kg	☼	05/07/21 21:09	05/08/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*124*		*40 - 140*	*05/07/21 21:09*	*05/08/21 18:23*	*1*
1-Chlorooctadecane	*117*		*40 - 140*	*05/07/21 21:09*	*05/08/21 18:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/12/21 07:15	05/12/21 17:23	5
Barium	**0.52**	**J**	1.0	0.066	mg/L		05/12/21 07:15	05/12/21 17:23	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/12/21 07:15	05/12/21 17:23	5
Chromium	0.050	U	0.050	0.025	mg/L		05/12/21 07:15	05/12/21 17:23	5
Lead	0.050	U	0.050	0.012	mg/L		05/12/21 07:15	05/12/21 17:23	5
Selenium	0.10	U	0.10	0.029	mg/L		05/12/21 07:15	05/12/21 17:23	5
Silver	0.050	U	0.050	0.029	mg/L		05/12/21 07:15	05/12/21 17:23	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14700**		21.5	2.8	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1

Client Sample ID: WC-7 (0-5)
Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2
Matrix: Solid
Percent Solids: 87.0

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.17	J	1.1	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Arsenic	1.6		1.1	0.11	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Barium	158		2.1	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Beryllium	0.32	J	0.43	0.061	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Calcium	13700		107	18.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Chromium	302		2.1	0.19	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Cobalt	16.5		2.1	0.16	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Copper	47.1		2.1	0.24	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Iron	24600		64.5	21.7	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Lead	27.7		0.64	0.21	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Magnesium	11200		107	11.0	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Manganese	282		4.3	0.43	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Nickel	151		2.1	0.21	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Potassium	8490		107	12.0	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Selenium	0.23	J	1.3	0.13	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Silver	1.1	U	1.1	0.096	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Sodium	487		107	16.8	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Thallium	0.40	J	0.43	0.044	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Vanadium	42.2		2.1	0.22	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1
Zinc	89.9		8.6	2.5	mg/Kg	☼	05/13/21 05:06	05/13/21 13:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/11/21 13:01	05/11/21 16:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.019	0.0045	mg/Kg	☼	05/12/21 03:04	05/12/21 07:08	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.1	HF			SU			05/13/21 13:57	1
Corrosivity	11.1	HF			SU			05/13/21 13:57	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.97	mg/Kg	☼	05/12/21 09:55	05/13/21 13:12	1
Cyanide, Total	0.25	U	0.25	0.13	mg/Kg	☼	05/13/21 10:43	05/14/21 14:45	1
Oil & Grease	1650		680	227	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/12/21 13:00	1
Cr (III)	302		2.0	2.0	mg/Kg			05/09/21 21:19	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	13.0		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	87.0		1.0	1.0	%			05/11/21 17:34	1
Total Solids	91.9		0.10	0.10	%			05/10/21 08:37	1
Total Volatile Solids	1.2		0.10	0.10	%			05/10/21 08:37	1

Client Sample ID: WC-7 (0-5)
Lab Sample ID: 460-233790-2

Date Collected: 05/06/21 13:40
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 87.0

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.3**				S.U.			05/11/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.5**				S.U.			05/11/21 12:00	1
Temperature	**21.9**				Degrees C			05/11/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.3**	**J**	5.1	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**14.1**		10.0	10.0	mg/Kg			05/13/21 18:09	1
Total Solids	**184**		10.0	10.0	mg/L			05/12/21 07:01	1

Client Sample ID: WC-6_WC-7 (5-10)
Lab Sample ID: 460-233790-3

Date Collected: 05/06/21 12:20
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 63.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.062**	**J**	0.52	0.0069	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	0.016	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
1,4-Dioxane	0.052	U	0.052	0.045	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,2'-oxybis[1-chloropropane]	0.52	U	0.52	0.0094	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,3,4,6-Tetrachlorophenol	0.52	U	0.52	0.035	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4,5-Trichlorophenol	0.52	U	0.52	0.053	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4,6-Trichlorophenol	0.21	U	0.21	0.066	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4-Dichlorophenol	0.21	U	0.21	0.033	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4-Dimethylphenol	0.52	U	0.52	0.023	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4-Dinitrophenol	0.42	U	0.42	0.25	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,4-Dinitrotoluene	0.10	U	0.10	0.056	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2,6-Dinitrotoluene	0.10	U	0.10	0.037	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Chloronaphthalene	0.52	U	0.52	0.024	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Chlorophenol	0.52	U	0.52	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Methylnaphthalene	**0.22**	**J**	0.52	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Methylphenol	0.52	U	0.52	0.019	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Nitroaniline	0.52	U	0.52	0.019	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
2-Nitrophenol	0.52	U	0.52	0.052	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
3,3'-Dichlorobenzidine	0.21	U	0.21	0.078	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
3-Nitroaniline	0.52	U	0.52	0.058	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4,6-Dinitro-2-methylphenol	0.42	U	0.42	0.21	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Bromophenyl phenyl ether	0.52	U	0.52	0.021	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Chloro-3-methylphenol	0.52	U	0.52	0.029	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Chloroaniline	0.52	U	0.52	0.092	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Chlorophenyl phenyl ether	0.52	U	0.52	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Methylphenol	0.52	U	0.52	0.032	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Nitroaniline	0.52	U	0.52	0.059	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
4-Nitrophenol	1.0	U	1.0	0.084	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Acenaphthene	**0.52**		0.52	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-6_WC-7 (5-10)
Date Collected: 05/06/21 12:20
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-3
Matrix: Solid
Percent Solids: 63.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.52	U	0.52	0.0052	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Acetophenone	0.52	U	0.52	0.025	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Anthracene	**0.97**		0.52	0.016	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Atrazine	0.21	U	0.21	0.030	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzaldehyde	0.52	U	0.52	0.086	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzo[a]anthracene	**1.1**		0.052	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzo[a]pyrene	**0.95**		0.052	0.014	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzo[b]fluoranthene	**1.2**		0.052	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzo[g,h,i]perylene	**0.55**		0.52	0.015	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Benzo[k]fluoranthene	**0.52**		0.052	0.010	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Bis(2-chloroethoxy)methane	0.52	U	0.52	0.040	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Bis(2-chloroethyl)ether	0.052	U	0.052	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Bis(2-ethylhexyl) phthalate	**0.50**	**J**	0.52	0.027	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Butyl benzyl phthalate	**0.28**	**J**	0.52	0.024	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Caprolactam	0.52	U	0.52	0.081	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Carbazole	**0.43**	**J**	0.52	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Chrysene	**1.1**		0.52	0.0088	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Dibenz(a,h)anthracene	**0.15**		0.052	0.022	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Dibenzofuran	**0.42**	**J**	0.52	0.0073	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Diethyl phthalate	0.52	U	0.52	0.0075	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Dimethyl phthalate	0.52	U	0.52	0.12	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Di-n-butyl phthalate	0.52	U	0.52	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Di-n-octyl phthalate	0.52	U	0.52	0.027	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Fluoranthene	**2.8**		0.52	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Fluorene	**0.49**	**J**	0.52	0.0070	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Hexachlorobenzene	0.052	U	0.052	0.025	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Hexachlorobutadiene	0.10	U	0.10	0.011	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Hexachlorocyclopentadiene	0.52	U	0.52	0.045	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Hexachloroethane	0.052	U	0.052	0.018	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Indeno[1,2,3-cd]pyrene	**0.60**		0.052	0.020	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Isophorone	0.21	U	0.21	0.15	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Naphthalene	**0.29**	**J**	0.52	0.0090	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Nitrobenzene	0.052	U	0.052	0.012	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
N-Nitrosodi-n-propylamine	0.052	U	0.052	0.038	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
N-Nitrosodiphenylamine	0.52	U	0.52	0.043	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Pentachlorophenol	0.42	U	0.42	0.11	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Phenanthrene	**3.5**		0.52	0.0091	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Phenol	0.52	U	0.52	0.019	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1
Pyrene	**2.8**		0.52	0.013	mg/Kg	☼	05/07/21 23:38	05/09/21 01:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.6*	*A J*	*mg/Kg*	☼	*2.94*		*05/07/21 23:38*	*05/09/21 01:26*	*1*
Unknown	*0.88*	*J*	*mg/Kg*	☼	*9.34*		*05/07/21 23:38*	*05/09/21 01:26*	*1*
11H-Benzo[b]fluorene	*0.53*	*J N*	*mg/Kg*	☼	*10.45*	*243-17-4*	*05/07/21 23:38*	*05/09/21 01:26*	*1*
Unknown	*0.68*	*J*	*mg/Kg*	☼	*11.20*		*05/07/21 23:38*	*05/09/21 01:26*	*1*
Unknown	*0.43*	*J*	*mg/Kg*	☼	*15.71*		*05/07/21 23:38*	*05/09/21 01:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 123*	*05/07/21 23:38*	*05/09/21 01:26*	*1*
2-Fluorobiphenyl	*80*		*14 - 103*	*05/07/21 23:38*	*05/09/21 01:26*	*1*

Client Sample ID: WC-6_WC-7 (5-10)
Date Collected: 05/06/21 12:20
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-3
Matrix: Solid
Percent Solids: 63.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*72*		*10 - 105*	*05/07/21 23:38*	*05/09/21 01:26*	*1*
Nitrobenzene-d5 (Surr)	*73*		*11 - 104*	*05/07/21 23:38*	*05/09/21 01:26*	*1*
Phenol-d5 (Surr)	*71*		*15 - 100*	*05/07/21 23:38*	*05/09/21 01:26*	*1*
Terphenyl-d14 (Surr)	*106*		*12 - 126*	*05/07/21 23:38*	*05/09/21 01:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/11/21 10:06	05/11/21 22:02	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/11/21 10:06	05/11/21 22:02	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/11/21 10:06	05/11/21 22:02	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/11/21 10:06	05/11/21 22:02	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/11/21 10:06	05/11/21 22:02	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/11/21 10:06	05/11/21 22:02	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/11/21 10:06	05/11/21 22:02	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/11/21 10:06	05/11/21 22:02	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/11/21 10:06	05/11/21 22:02	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/11/21 10:06	05/11/21 22:02	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/11/21 10:06	05/11/21 22:02	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/11/21 10:06	05/11/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*33 - 150*	*05/11/21 10:06*	*05/11/21 22:02*	*1*
2-Fluorobiphenyl	*119*		*42 - 127*	*05/11/21 10:06*	*05/11/21 22:02*	*1*
2-Fluorophenol (Surr)	*58*		*18 - 72*	*05/11/21 10:06*	*05/11/21 22:02*	*1*
Nitrobenzene-d5 (Surr)	*114*		*46 - 137*	*05/11/21 10:06*	*05/11/21 22:02*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*05/11/21 10:06*	*05/11/21 22:02*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 150*	*05/11/21 10:06*	*05/11/21 22:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.010	U	0.010	0.0018	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
4,4'-DDE	**0.049**		0.010	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
4,4'-DDT	**0.0045**	**J**	0.010	0.0019	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Aldrin	0.010	U	0.010	0.0016	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
alpha-BHC	0.0031	U	0.0031	0.0011	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
beta-BHC	0.0031	U	0.0031	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Chlordane (technical)	0.10	U	0.10	0.025	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
delta-BHC	0.0031	U	0.0031	0.00064	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Dieldrin	0.0031	U	0.0031	0.0014	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endosulfan I	0.010	U	0.010	0.0016	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endosulfan II	0.010	U	0.010	0.0027	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endosulfan sulfate	0.010	U	0.010	0.0013	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endrin	0.010	U	0.010	0.0015	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endrin aldehyde	0.010	U	0.010	0.0025	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Endrin ketone	0.010	U	0.010	0.0020	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
gamma-BHC (Lindane)	0.0031	U	0.0031	0.00097	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Heptachlor	0.010	U	0.010	0.0012	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Heptachlor epoxide	0.010	U	0.010	0.0016	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Methoxychlor	0.010	U	0.010	0.0024	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1
Toxaphene	0.10	U	0.10	0.038	mg/Kg	☼	05/09/21 15:29	05/10/21 22:15	1

Client Sample ID: WC-6_WC-7 (5-10)
Date Collected: 05/06/21 12:20
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-3
Matrix: Solid
Percent Solids: 63.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		10 - 150	05/09/21 15:29	05/10/21 22:15	1
DCB Decachlorobiphenyl	56		10 - 150	05/09/21 15:29	05/10/21 22:15	1
Tetrachloro-m-xylene	49		10 - 133	05/09/21 15:29	05/10/21 22:15	1
Tetrachloro-m-xylene	42		10 - 133	05/09/21 15:29	05/10/21 22:15	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 07:15	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 07:15	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 07:15	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 07:15	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 07:15	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 07:15	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 07:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		10 - 150	05/11/21 15:07	05/12/21 07:15	1
DCB Decachlorobiphenyl	73		10 - 150	05/11/21 15:07	05/12/21 07:15	1
Tetrachloro-m-xylene	102		10 - 150	05/11/21 15:07	05/12/21 07:15	1
Tetrachloro-m-xylene	101		10 - 150	05/11/21 15:07	05/12/21 07:15	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1221	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1232	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1242	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1248	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1254	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1260	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor-1262	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Aroclor 1268	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1
Polychlorinated biphenyls, Total	0.10	U	0.10	0.014	mg/Kg	☼	05/09/21 15:25	05/11/21 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		37 - 150	05/09/21 15:25	05/11/21 00:04	1
DCB Decachlorobiphenyl	99		37 - 150	05/09/21 15:25	05/11/21 00:04	1
Tetrachloro-m-xylene	120		54 - 150	05/09/21 15:25	05/11/21 00:04	1
Tetrachloro-m-xylene	95		54 - 150	05/09/21 15:25	05/11/21 00:04	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.052	U	0.052	0.011	mg/Kg	☼	05/09/21 17:44	05/12/21 16:04	1
2,4-D	0.052	U	0.052	0.019	mg/Kg	☼	05/09/21 17:44	05/12/21 16:04	1
Silvex (2,4,5-TP)	0.052	U	0.052	0.0054	mg/Kg	☼	05/09/21 17:44	05/12/21 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	97		65 - 150	05/09/21 17:44	05/12/21 16:04	1
2,4-Dichlorophenylacetic acid	132		65 - 150	05/09/21 17:44	05/12/21 16:04	1

Client Sample ID: WC-6_WC-7 (5-10)
Lab Sample ID: 460-233790-3

Date Collected: 05/06/21 12:20
Matrix: Solid

Date Received: 05/06/21 19:00
Percent Solids: 63.9

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:22	05/12/21 13:53	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:22	05/12/21 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:53*	*1*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/11/21 15:22*	*05/12/21 13:53*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	3.1	U	3.1	3.1	mg/Kg	☼	05/07/21 21:09	05/08/21 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*119*		*40 - 140*	*05/07/21 21:09*	*05/08/21 17:56*	*1*
1-Chlorooctadecane	*116*		*40 - 140*	*05/07/21 21:09*	*05/08/21 17:56*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/12/21 07:15	05/12/21 17:27	5
Barium	**0.38**	**J**	1.0	0.066	mg/L		05/12/21 07:15	05/12/21 17:27	5
Cadmium	**0.0073**	**J**	0.020	0.0016	mg/L		05/12/21 07:15	05/12/21 17:27	5
Chromium	0.050	U	0.050	0.025	mg/L		05/12/21 07:15	05/12/21 17:27	5
Lead	**0.077**		0.050	0.012	mg/L		05/12/21 07:15	05/12/21 17:27	5
Selenium	0.10	U	0.10	0.029	mg/L		05/12/21 07:15	05/12/21 17:27	5
Silver	0.050	U	0.050	0.029	mg/L		05/12/21 07:15	05/12/21 17:27	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17300**		29.8	3.9	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Antimony	**0.22**	**J**	1.5	0.22	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Arsenic	**2.9**		1.5	0.15	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Barium	**348**		3.0	0.22	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Beryllium	**0.46**	**J**	0.60	0.085	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Cadmium	**0.39**	**J**	1.5	0.17	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Calcium	**29500**		149	25.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Chromium	**28.7**		3.0	0.26	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Cobalt	**13.7**		3.0	0.22	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Copper	**40.1**		3.0	0.33	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Iron	**22800**		89.5	30.1	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Lead	**162**		0.89	0.30	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Magnesium	**11300**		149	15.2	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Manganese	**297**		6.0	0.60	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Nickel	**34.1**		3.0	0.29	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Potassium	**8210**		149	16.7	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Selenium	**0.22**	**J**	1.9	0.18	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Silver	1.5	U	1.5	0.13	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Sodium	**928**		149	23.3	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Thallium	**0.29**	**J**	0.60	0.061	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Vanadium	**40.9**		3.0	0.31	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1
Zinc	**245**		11.9	3.4	mg/Kg	☼	05/13/21 05:06	05/13/21 13:54	1

Client Sample ID: WC-6_WC-7 (5-10)
Lab Sample ID: 460-233790-3

Date Collected: 05/06/21 12:20
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 63.9

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/11/21 13:01	05/11/21 16:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.84**		0.024	0.0057	mg/Kg	☼	05/12/21 03:04	05/12/21 07:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.1**	**HF**			SU			05/13/21 14:01	1
Corrosivity	**9.1**	**HF**			SU			05/13/21 14:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	3.1	U	3.1	1.3	mg/Kg	☼	05/12/21 09:55	05/13/21 13:12	1
Cyanide, Total	**0.20**	**J**	0.35	0.19	mg/Kg	☼	05/13/21 10:43	05/14/21 14:46	1
Oil & Grease	929	U	929	310	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/12/21 13:00	1
Cr (III)	**28.7**		2.0	2.0	mg/Kg			05/09/21 21:19	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	**36.1**		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	**63.9**		1.0	1.0	%			05/11/21 17:34	1
Total Solids	**71.3**		0.10	0.10	%			05/10/21 08:37	1
Total Volatile Solids	**4.5**		0.10	0.10	%			05/10/21 08:37	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.1**				S.U.			05/11/21 12:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.3**				S.U.			05/11/21 12:00	1
Temperature	**21.9**				Degrees C			05/11/21 12:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.2**	**J**	5.3	1.5	mg/L			05/17/21 17:39	1
Ammonia	**0.64**		0.10	0.050	mg/L			05/13/21 13:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**42.8**		10.0	10.0	mg/Kg			05/13/21 18:09	1
Total Solids	**167**		10.0	10.0	mg/L			05/12/21 07:01	1

Client Sample ID: WC-8A (7-9)
Lab Sample ID: 460-233790-4

Date Collected: 05/06/21 14:20
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0020	U	0.0020	0.00047	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,1,2,2-Tetrachloroethane	0.0020	U	0.0020	0.00043	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-8A (7-9)
Date Collected: 05/06/21 14:20
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-4
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0020	U	0.0020	0.00061	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,1,2-Trichloroethane	0.0020	U	0.0020	0.00036	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,1-Dichloroethane	0.0020	U	0.0020	0.00042	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,1-Dichloroethene	0.0020	U	0.0020	0.00046	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2,3-Trichlorobenzene	0.0020	U	0.0020	0.00037	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2,4-Trichlorobenzene	0.0020	U	0.0020	0.00073	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2-Dibromo-3-Chloropropane	0.0020	U	0.0020	0.00093	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2-Dichlorobenzene	0.0020	U	0.0020	0.00073	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2-Dichloroethane	0.0020	U	0.0020	0.00060	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,2-Dichloropropane	0.0020	U	0.0020	0.00086	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,3-Dichlorobenzene	0.0020	U	0.0020	0.00074	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
1,4-Dichlorobenzene	**0.0017**	**J**	0.0020	0.00046	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
2-Butanone (MEK)	**0.0093**	**J**	0.010	0.00075	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
2-Hexanone	0.010	U	0.010	0.0035	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
4-Methyl-2-pentanone (MIBK)	0.010	U	0.010	0.0032	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Acetone	**0.051**		0.012	0.012	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Benzene	0.0020	U	0.0020	0.00052	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Bromoform	0.0020	U	0.0020	0.00086	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Bromomethane	0.0041	U *	0.0041	0.0020	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Carbon disulfide	**0.0015**	**J**	0.0020	0.00054	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Carbon tetrachloride	0.0020	U	0.0020	0.00078	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chlorobenzene	0.0020	U	0.0020	0.00036	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chlorobromomethane	0.0020	U	0.0020	0.00057	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chlorodibromomethane	0.0020	U	0.0020	0.00039	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chloroethane	0.0020	U	0.0020	0.0011	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chloroform	0.0020	U	0.0020	0.0020	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Chloromethane	0.0020	U	0.0020	0.00088	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
cis-1,2-Dichloroethene	0.0020	U	0.0020	0.00073	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
cis-1,3-Dichloropropene	0.0020	U	0.0020	0.00055	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Cyclohexane	0.0020	U	0.0020	0.00045	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Dichlorobromomethane	0.0020	U	0.0020	0.00052	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Dichlorodifluoromethane	0.0020	U	0.0020	0.00069	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Ethylbenzene	**0.0026**		0.0020	0.00040	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Ethylene Dibromide	0.0020	U	0.0020	0.00037	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Isopropylbenzene	**0.015**		0.0020	0.00058	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Methyl acetate	0.010	U	0.010	0.0087	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Methyl tert-butyl ether	0.0020	U	0.0020	0.0010	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Methylcyclohexane	0.0020	U	0.0020	0.0010	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Methylene Chloride	0.0041	U	0.0041	0.0023	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
m-Xylene & p-Xylene	**0.0022**		0.0020	0.00035	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
o-Xylene	**0.0021**		0.0020	0.00039	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Styrene	**0.0010**	**J**	0.0020	0.00056	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Tetrachloroethene	**0.0033**		0.0020	0.00062	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Toluene	**0.0021**		0.0020	0.00047	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
trans-1,2-Dichloroethene	0.0020	U	0.0020	0.00050	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
trans-1,3-Dichloropropene	0.0020	U	0.0020	0.00054	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Trichloroethene	0.0020	U	0.0020	0.00065	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Trichlorofluoromethane	0.0020	U	0.0020	0.00082	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1
Vinyl chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	05/07/21 16:59	05/12/21 10:53	1

Client Sample ID: WC-8A (7-9)
Lab Sample ID: 460-233790-4
Date Collected: 05/06/21 14:20
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 82.7

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1R-.alpha.-Pinene	0.14	J N	mg/Kg	☼	9.82	7785-70-8	05/07/21 16:59	05/12/21 10:53	1
.beta.-Pinene	0.044	J N	mg/Kg	☼	10.35	127-91-3	05/07/21 16:59	05/12/21 10:53	1
Ethene, tribromo-	0.10	J N	mg/Kg	☼	10.55	598-16-3	05/07/21 16:59	05/12/21 10:53	1
3-Carene	0.023	J N	mg/Kg	☼	10.61	13466-78-9	05/07/21 16:59	05/12/21 10:53	1
D-Limonene	0.025	J N	mg/Kg	☼	10.78	5989-27-5	05/07/21 16:59	05/12/21 10:53	1
Benzene, 1-methyl-4-(1-methylethyl)-	0.027	J N	mg/Kg	☼	10.83	99-87-6	05/07/21 16:59	05/12/21 10:53	1
Indane	0.014	J N	mg/Kg	☼	11.08	496-11-7	05/07/21 16:59	05/12/21 10:53	1
Naphthalene	0.13	J N	mg/Kg	☼	12.76	91-20-3	05/07/21 16:59	05/12/21 10:53	1
Naphthalene, 2-methyl-	0.044	J N	mg/Kg	☼	14.17	91-57-6	05/07/21 16:59	05/12/21 10:53	1
Naphthalene, 1-methyl-	0.046	J N	mg/Kg	☼	14.47	90-12-0	05/07/21 16:59	05/12/21 10:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 145	05/07/21 16:59	05/12/21 10:53	1
4-Bromofluorobenzene	105		70 - 139	05/07/21 16:59	05/12/21 10:53	1
Dibromofluoromethane (Surr)	91		48 - 150	05/07/21 16:59	05/12/21 10:53	1
Toluene-d8 (Surr)	97		80 - 120	05/07/21 16:59	05/12/21 10:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 15:51	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 15:51	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 15:51	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 15:51	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 15:51	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 15:51	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 15:51	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 15:51	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 15:51	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 15:51	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 15:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	132	*	75 - 123		05/20/21 15:51	10
4-Bromofluorobenzene	113		76 - 120		05/20/21 15:51	10
Dibromofluoromethane (Surr)	134	*	77 - 124		05/20/21 15:51	10
Toluene-d8 (Surr)	115		80 - 120		05/20/21 15:51	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.3		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	82.7		1.0	1.0	%			05/11/21 17:34	1

Client Sample ID: WC-8A (1-3)
Lab Sample ID: 460-233790-5
Date Collected: 05/06/21 14:30
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-8A (1-3)
Date Collected: 05/06/21 14:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-5
Matrix: Solid
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00062	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00057	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
2-Butanone (MEK)	0.0068	U	0.0068	0.00050	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
2-Hexanone	0.0068	U	0.0068	0.0023	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
4-Methyl-2-pentanone (MIBK)	0.0068	U	0.0068	0.0021	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Acetone	0.0081	U	0.0081	0.0078	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Benzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Bromoform	0.0014	U	0.0014	0.00058	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Bromomethane	0.0027	U *	0.0027	0.0014	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Carbon tetrachloride	0.0014	U	0.0014	0.00053	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chlorobromomethane	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chlorodibromomethane	0.0014	U	0.0014	0.00026	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chloroethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Chloromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00049	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Ethylene Dibromide	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Methyl acetate	0.0068	U	0.0068	0.0058	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00070	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Methylcyclohexane	0.0014	U	0.0014	0.00068	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Methylene Chloride	0.0027	U	0.0027	0.0016	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
o-Xylene	0.0014	U	0.0014	0.00026	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Tetrachloroethene	0.0014	U	0.0014	0.00041	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Trichloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00055	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1
Vinyl chloride	0.0014	U	0.0014	0.00074	mg/Kg	☼	05/07/21 17:01	05/12/21 11:17	1

Client Sample ID: WC-8A (1-3)
Lab Sample ID: 460-233790-5
Date Collected: 05/06/21 14:30
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 92.1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			05/07/21 17:01	05/12/21 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 145	05/07/21 17:01	05/12/21 11:17	1
4-Bromofluorobenzene	110		70 - 139	05/07/21 17:01	05/12/21 11:17	1
Dibromofluoromethane (Surr)	102		48 - 150	05/07/21 17:01	05/12/21 11:17	1
Toluene-d8 (Surr)	104		80 - 120	05/07/21 17:01	05/12/21 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 16:16	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 16:16	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 16:16	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 16:16	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 16:16	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 16:16	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 16:16	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 16:16	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 16:16	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 16:16	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 16:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 123		05/20/21 16:16	10
4-Bromofluorobenzene	103		76 - 120		05/20/21 16:16	10
Dibromofluoromethane (Surr)	112		77 - 124		05/20/21 16:16	10
Toluene-d8 (Surr)	103		80 - 120		05/20/21 16:16	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.9		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	92.1		1.0	1.0	%			05/11/21 17:34	1

Client Sample ID: WC-7D (1-3)
Lab Sample ID: 460-233790-6
Date Collected: 05/06/21 13:30
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00057	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-7D (1-3)
Date Collected: 05/06/21 13:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-6
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
2-Hexanone	0.0062	U *	0.0062	0.0021	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
4-Methyl-2-pentanone (MIBK)	0.0062	U *	0.0062	0.0019	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Acetone	**0.0071**	**J**	0.0074	0.0071	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Bromoform	0.0012	U	0.0012	0.00053	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Bromomethane	0.0025	U *	0.0025	0.0012	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Carbon disulfide	**0.00065**	**J**	0.0012	0.00033	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chlorobromomethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chloroethane	0.0012	U	0.0012	0.00065	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Chloromethane	0.0012	U	0.0012	0.00054	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Ethylbenzene	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Methyl acetate	0.0062	U	0.0062	0.0053	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Methylcyclohexane	0.0012	U	0.0012	0.00062	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1
Vinyl chloride	0.0012	U	0.0012	0.00068	mg/Kg	☼	05/07/21 17:02	05/11/21 03:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/07/21 17:02*	*05/11/21 03:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*77 - 145*	*05/07/21 17:02*	*05/11/21 03:06*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/07/21 17:02*	*05/11/21 03:06*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*05/07/21 17:02*	*05/11/21 03:06*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*	*05/07/21 17:02*	*05/11/21 03:06*	*1*

Client Sample ID: WC-7D (1-3)
Lab Sample ID: 460-233790-6
Date Collected: 05/06/21 13:30
Matrix: Solid
Date Received: 05/06/21 19:00
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 16:42	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 16:42	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 16:42	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 16:42	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 16:42	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 16:42	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 16:42	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 16:42	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 16:42	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 16:42	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 16:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*75 - 123*		*05/20/21 16:42*	*10*
4-Bromofluorobenzene	*112*		*76 - 120*		*05/20/21 16:42*	*10*
Dibromofluoromethane (Surr)	*122*		*77 - 124*		*05/20/21 16:42*	*10*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/20/21 16:42*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		1.0	1.0	%			05/11/21 17:34	1
Percent Solids	**90.7**		1.0	1.0	%			05/11/21 17:34	1

Client Sample ID: WC-9C (3-5)
Lab Sample ID: 460-233882-1
Date Collected: 05/07/21 10:10
Matrix: Solid
Date Received: 05/07/21 20:00
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0021	U	0.0021	0.00048	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,1,2,2-Tetrachloroethane	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0021	U	0.0021	0.00062	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,1,2-Trichloroethane	0.0021	U	0.0021	0.00037	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,1-Dichloroethane	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,1-Dichloroethene	0.0021	U	0.0021	0.00047	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2,3-Trichlorobenzene	0.0021	U	0.0021	0.00038	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2,4-Trichlorobenzene	0.0021	U	0.0021	0.00074	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2-Dibromo-3-Chloropropane	0.0021	U *	0.0021	0.00096	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2-Dichlorobenzene	0.0021	U	0.0021	0.00075	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2-Dichloroethane	0.0021	U	0.0021	0.00061	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,2-Dichloropropane	0.0021	U	0.0021	0.00088	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,3-Dichlorobenzene	0.0021	U	0.0021	0.00076	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
1,4-Dichlorobenzene	0.0021	U	0.0021	0.00047	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
2-Butanone (MEK)	0.010	U	0.010	0.00076	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
2-Hexanone	0.010	U	0.010	0.0036	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
4-Methyl-2-pentanone (MIBK)	0.010	U	0.010	0.0032	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Acetone	**0.014**		0.012	0.012	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Benzene	**0.0010**	**J**	0.0021	0.00054	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Bromoform	0.0021	U	0.0021	0.00088	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Bromomethane	0.0042	U	0.0042	0.0021	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-9C (3-5)
Date Collected: 05/07/21 10:10
Date Received: 05/07/21 20:00

Lab Sample ID: 460-233882-1
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00085**	**J**	0.0021	0.00055	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Carbon tetrachloride	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chlorobenzene	0.0021	U	0.0021	0.00037	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chlorobromomethane	0.0021	U	0.0021	0.00058	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chlorodibromomethane	0.0021	U	0.0021	0.00040	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chloroethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chloroform	0.0021	U	0.0021	0.0020	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Chloromethane	0.0021	U	0.0021	0.00090	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
cis-1,2-Dichloroethene	0.0021	U	0.0021	0.00074	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
cis-1,3-Dichloropropene	0.0021	U	0.0021	0.00057	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Cyclohexane	0.0021	U	0.0021	0.00046	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Dichlorobromomethane	0.0021	U	0.0021	0.00053	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Dichlorodifluoromethane	0.0021	U	0.0021	0.00070	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Ethylbenzene	0.0021	U	0.0021	0.00041	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Ethylene Dibromide	0.0021	U	0.0021	0.00037	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Isopropylbenzene	0.0021	U	0.0021	0.00059	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Methyl acetate	0.010	U	0.010	0.0089	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Methyl tert-butyl ether	0.0021	U	0.0021	0.0011	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Methylcyclohexane	0.0021	U	0.0021	0.0010	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Methylene Chloride	**0.0055**	**B**	0.0042	0.0024	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
m-Xylene & p-Xylene	**0.00064**	**J B**	0.0021	0.00036	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
o-Xylene	**0.00051**	**J**	0.0021	0.00040	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Styrene	0.0021	U	0.0021	0.00058	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Tetrachloroethene	0.0021	U	0.0021	0.00063	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Toluene	**0.0013**	**J B**	0.0021	0.00049	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
trans-1,2-Dichloroethene	0.0021	U	0.0021	0.00051	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
trans-1,3-Dichloropropene	0.0021	U	0.0021	0.00055	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Trichloroethene	0.0021	U	0.0021	0.00067	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Trichlorofluoromethane	0.0021	U	0.0021	0.00084	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1
Vinyl chloride	0.0021	U	0.0021	0.0011	mg/Kg	☼	05/08/21 19:03	05/11/21 15:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/08/21 19:03*	*05/11/21 15:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*05/08/21 19:03*	*05/11/21 15:36*	*1*
4-Bromofluorobenzene	*98*		*70 - 139*	*05/08/21 19:03*	*05/11/21 15:36*	*1*
Dibromofluoromethane (Surr)	*96*		*48 - 150*	*05/08/21 19:03*	*05/11/21 15:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/08/21 19:03*	*05/11/21 15:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/12/21 16:08	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/12/21 16:08	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/12/21 16:08	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/12/21 16:08	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/12/21 16:08	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/12/21 16:08	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/12/21 16:08	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/12/21 16:08	10

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-9C (3-5)
Lab Sample ID: 460-233882-1
Date Collected: 05/07/21 10:10
Matrix: Solid
Date Received: 05/07/21 20:00
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/12/21 16:08	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/12/21 16:08	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/12/21 16:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*05/12/21 16:08*	*10*
4-Bromofluorobenzene	*82*		*76 - 120*		*05/12/21 16:08*	*10*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*05/12/21 16:08*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/12/21 16:08*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		1.0	1.0	%			05/11/21 13:05	1
Percent Solids	**91.6**		1.0	1.0	%			05/11/21 13:05	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-233463-1	WC-3-A (0-2)	115	108	104	98
460-233560-2	WC-4-A (1-3)	132	102	115	104
460-233638-1	WC-5A (3-5)	99	101	105	101
460-233638-2	WC-6C (5-7)	99	100	97	101
460-233638-3	WC-6A (3-5)	96	100	99	100
460-233790-4	WC-8A (7-9)	94	105	91	97
460-233790-5	WC-8A (1-3)	100	110	102	104
460-233790-6	WC-7D (1-3)	122	106	111	111
460-233882-1	WC-9C (3-5)	109	98	96	99
LB3 460-775794/1-A	Method Blank	101	101	102	99
LB3 460-776071/1-A	Method Blank	115	102	114	110
LB3 460-776183/1-A	Method Blank	106	97	112	105
LB3 460-776542/1-A	Method Blank	111	101	115	108
LB3 460-776706/1-A	Method Blank	97	98	102	97
LCS 460-776262/3	Lab Control Sample	98	100	99	101
LCS 460-776504/4	Lab Control Sample	105	91	105	99
LCS 460-776596/3	Lab Control Sample	104	96	108	105
LCS 460-776772/4	Lab Control Sample	102	94	110	100
LCS 460-776838/3	Lab Control Sample	102	89	102	98
LCS 460-776842/3	Lab Control Sample	100	100	105	98
LCS 460-776972/4	Lab Control Sample	98	100	102	98
LCS 460-777038/4	Lab Control Sample	104	90	101	96
LCS 460-777408/3	Lab Control Sample	88	98	91	95
LCSD 460-776262/4	Lab Control Sample Dup	101	103	103	102
LCSD 460-776504/5	Lab Control Sample Dup	104	89	102	101
LCSD 460-776596/4	Lab Control Sample Dup	104	95	106	104
LCSD 460-776772/5	Lab Control Sample Dup	101	91	110	99
LCSD 460-776838/4	Lab Control Sample Dup	106	94	108	105
LCSD 460-776842/4	Lab Control Sample Dup	96	98	103	96
LCSD 460-776972/5	Lab Control Sample Dup	95	99	103	98
LCSD 460-777038/5	Lab Control Sample Dup	101	88	99	94
LCSD 460-777408/4	Lab Control Sample Dup	106	117	109	112
MB 460-776262/7	Method Blank	105	103	99	96
MB 460-776504/8	Method Blank	117	100	112	106
MB 460-776596/7	Method Blank	112	101	112	105
MB 460-776772/8	Method Blank	108	95	116	100
MB 460-776838/7	Method Blank	115	100	112	105
MB 460-776842/7	Method Blank	109	109	115	108
MB 460-776972/8	Method Blank	102	99	106	99
MB 460-777038/7	Method Blank	111	90	100	94
MB 460-777408/7	Method Blank	98	103	98	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-776143/3	Lab Control Sample	102	103	105	101
LCS 460-776177/4	Lab Control Sample	99	109	101	104
LCS 460-776420/4	Lab Control Sample	99	108	100	102
LCS 460-777370/4	Lab Control Sample	91	85	93	92
LCS 460-779127/4	Lab Control Sample	119	114	109	105
LCSD 460-776143/4	Lab Control Sample Dup	103	103	107	101
LCSD 460-776177/5	Lab Control Sample Dup	99	112	102	106
LCSD 460-776420/5	Lab Control Sample Dup	97	107	99	101
LCSD 460-777370/5	Lab Control Sample Dup	93	88	95	97
LCSD 460-779127/5	Lab Control Sample Dup	119	114	116	107
MB 460-776143/8	Method Blank	102	100	104	99
MB 460-776177/8	Method Blank	97	109	98	105
MB 460-776420/8	Method Blank	98	105	100	103
MB 460-777370/9	Method Blank	88	82	98	95
MB 460-779127/9	Method Blank	117	108	118	108

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-233463-1	WC-3-A (0-2)	100	108	101	105
460-233560-2	WC-4-A (1-3)	99	105	99	103
460-233638-1	WC-5A (3-5)	100	105	99	104
460-233638-2	WC-6C (5-7)	99	110	100	105
460-233638-3	WC-6A (3-5)	98	108	99	104
460-233790-4	WC-8A (7-9)	132 *	113	134 *	115
460-233790-5	WC-8A (1-3)	119	103	112	103
460-233790-6	WC-7D (1-3)	121	112	122	110
460-233882-1	WC-9C (3-5)	97	82	96	93
LB 460-775823/1-A	Method Blank	101	104	104	101
LB 460-776121/1-A	Method Blank	99	111	100	105
LB 460-778839/1-A	Method Blank	115	97	109	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (10-123)	FBP (14-103)	2FP (10-105)	NBZ (11-104)	PHL (15-100)	TPHL (12-126)
460-233560-1	WC-4 (0-5)	86	66	58	66	57	82
460-233560-3	WC-3 (0-5)	75	56	45	54	45	68
460-233561-A-2-A MS	Matrix Spike	96	64	61	64	58	78
460-233561-A-2-B MSD	Matrix Spike Duplicate	93	61	58	63	55	74
460-233589-A-1-C MS	Matrix Spike	36	51	50	51	53	57
460-233589-A-1-D MSD	Matrix Spike Duplicate	29	50	45	50	50	57
460-233638-4	WC-5 (0-5)	23	49	49	48	52	54
460-233638-5	WC-6 (0-5)	27	46	48	45	50	53
460-233674-A-1-A MS	Matrix Spike	111	77	60	64	63	102
460-233674-A-1-B MSD	Matrix Spike Duplicate	113	79	56	63	62	105
460-233790-1	WC-8 (0-5)	98	81	70	73	74	104
460-233790-2	WC-7 (0-5)	95	77	70	69	73	114
460-233790-3	WC-6_WC-7 (5-10)	91	80	72	73	71	106
LCS 460-776027/2-A	Lab Control Sample	127 *	83	78	83	74	97
LCS 460-776509/2-A	Lab Control Sample	83	85	91	86	91	104
LCS 460-776589/2-A	Lab Control Sample	100	80	77	83	74	94
LCSD 460-776027/3-A	Lab Control Sample Dup	134 *	85	80	86	78	102
LCSD 460-776509/3-A	Lab Control Sample Dup	71	75	84	77	82	92
LCSD 460-776589/3-A	Lab Control Sample Dup	103	79	73	80	70	96
MB 460-776027/1-A	Method Blank	124 *	79	76	81	74	95
MB 460-776509/1-A	Method Blank	85	84	92	85	92	109
MB 460-776589/1-A	Method Blank	101	79	74	83	74	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-150)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
460-233581-E-2-A MS	Matrix Spike	104	76	35	91	21	76
460-233581-E-2-B MSD	Matrix Spike Duplicate	102	77	32	90	20	70
LCS 460-776467/2-A	Lab Control Sample	95	76	33	95	23	95
LCS 460-777163/2-A	Lab Control Sample	93	93	51	97	34	104
LCSD 460-777163/3-A	Lab Control Sample Dup	92	94	51	97	35	103
MB 460-776467/1-A	Method Blank	114	80	50	109	34	122
MB 460-777163/1-A	Method Blank	89	107	52	106	30	122

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-233560-1	WC-4 (0-5)	98	52	40	81	26	91
460-233560-3	WC-3 (0-5)	96	50	41	81	27	88
460-233638-4	WC-5 (0-5)	97	57	40	86	26	92
460-233638-5	WC-6 (0-5)	91	47	34	70	24	73
460-233790-1	WC-8 (0-5)	80	108	59	105	39	117
460-233790-2	WC-7 (0-5)	89	115	59	111	38	118
460-233790-3	WC-6_WC-7 (5-10)	100	119	58	114	39	105
LB 460-776324/1-B	Method Blank	98	63	42	88	28	93
LB 460-777020/1-B	Method Blank	88	110	62	116	38	132

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
460-233560-1	WC-4 (0-5)	73	77	76	75
460-233560-3	WC-3 (0-5)	81	52	67	67
460-233638-4	WC-5 (0-5)	65	79	69	71
460-233638-5	WC-6 (0-5)	61	74	68	69
460-233756-F-8-G MS	Matrix Spike	58	58	87	87
460-233756-F-8-H MSD	Matrix Spike Duplicate	42	34	72	69
460-233790-1	WC-8 (0-5)	68	50	91	90
460-233790-2	WC-7 (0-5)	48	37	65	67
460-233790-3	WC-6_WC-7 (5-10)	56	43	42	49
LCS 460-776200/2-A	Lab Control Sample	91	95	90	86
LCS 460-776781/2-A	Lab Control Sample	87	81	80	83
LCSD 460-776200/3-A	Lab Control Sample Dup	94	98	95	89
LCSD 460-776781/3-A	Lab Control Sample Dup	83	81	72	96
MB 460-776200/1-A	Method Blank	111	112	99	99
MB 460-776781/1-A	Method Blank	109	96	101	99

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
LCS 460-776560/2-A	Lab Control Sample	92	90	87	81
LCS 460-776561/2-A	Lab Control Sample	92	92	85	83
LCS 460-777221/2-A	Lab Control Sample	79	79	79	77
LCSD 460-776560/3-A	Lab Control Sample Dup	91	90	84	80
LCSD 460-776561/3-A	Lab Control Sample Dup	95	95	91	86
LCSD 460-777221/3-A	Lab Control Sample Dup	83	80	81	79
MB 460-776560/1-A	Method Blank	98	99	91	90
MB 460-776561/1-A	Method Blank	98	96	88	88
MB 460-777221/1-A	Method Blank	91	93	86	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
460-233560-1	WC-4 (0-5)	49	26	64	61
460-233560-3	WC-3 (0-5)	59	58	60	60
460-233638-4	WC-5 (0-5)	54	54	63	61
460-233638-5	WC-6 (0-5)	44	45	60	59
460-233790-1	WC-8 (0-5)	84	90	104	116
460-233790-2	WC-7 (0-5)	68	69	79	77
460-233790-3	WC-6_WC-7 (5-10)	73	69	101	102
LB 460-776324/1-E	Method Blank	94	92	86	83
LB 460-777020/1-D	Method Blank	104	109	110	108

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-233560-1	WC-4 (0-5)	99	93	102	81
460-233560-3	WC-3 (0-5)	89	85	92	70
460-233638-4	WC-5 (0-5)	109	95	113	78
460-233638-5	WC-6 (0-5)	85	86	92	70
460-233756-F-8-D MS	Matrix Spike	71	79	81	63
460-233756-F-8-E MSD	Matrix Spike Duplicate	66	82	79	67
460-233790-1	WC-8 (0-5)	98	96	114	130
460-233790-2	WC-7 (0-5)	89	81	106	77
460-233790-3	WC-6_WC-7 (5-10)	99	99	95	120
LCS 460-776198/2-A	Lab Control Sample	106	95	98	76
LCS 460-776780/2-A	Lab Control Sample	116	112	96	76
LCSD 460-776198/3-A	Lab Control Sample Dup	103	94	98	77

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
LCSD 460-776780/3-A	Lab Control Sample Dup	118	121	95	81
MB 460-776198/1-A	Method Blank	122	109	111	127
MB 460-776780/1-A	Method Blank	114	113	100	109

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(65-150)	(65-150)
460-233560-1	WC-4 (0-5)	120	111
460-233560-3	WC-3 (0-5)	115	105
460-233638-4	WC-5 (0-5)	112	112
460-233638-5	WC-6 (0-5)	112	103
460-233790-1	WC-8 (0-5)	111	89
460-233790-2	WC-7 (0-5)	112	94
460-233790-3	WC-6_WC-7 (5-10)	132	97
LCS 460-776559/2-A	Lab Control Sample	118	114
LCS 460-776794/2-A	Lab Control Sample	104	97
LCSD 460-776559/3-A	Lab Control Sample Dup	120	118
LCSD 460-776794/3-A	Lab Control Sample Dup	110	103
MB 460-776559/1-A	Method Blank	117	114
MB 460-776794/1-A	Method Blank	102	89

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(28-150)	(28-150)
460-233754-J-1-A MS	Matrix Spike	102	94
460-233754-K-1-A MSD	Matrix Spike Duplicate	92	86
LCS 460-776591/2-A	Lab Control Sample	121	118
LCS 460-777223/2-A	Lab Control Sample	80	77
LCSD 460-776591/3-A	Lab Control Sample Dup	117	113
LCSD 460-777223/3-A	Lab Control Sample Dup	78	75
MB 460-776591/1-A	Method Blank	112	106
MB 460-777223/1-A	Method Blank	64	59

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
460-233560-1	WC-4 (0-5)	64	57
460-233560-3	WC-3 (0-5)	58	53
460-233638-4	WC-5 (0-5)	62	56
460-233638-5	WC-6 (0-5)	72	65
460-233790-1	WC-8 (0-5)	59	59
460-233790-2	WC-7 (0-5)	58	56
460-233790-3	WC-6_WC-7 (5-10)	57	57
LB 460-776324/1-F	Method Blank	83	77
LB 460-777020/1-E	Method Blank	56	56

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH1 (40-140)	1COD1 (40-140)
240-148365-O-3-D MS	Matrix Spike	64	77
240-148365-O-3-E MSD	Matrix Spike Duplicate	112	121
460-233560-1	WC-4 (0-5)	122	120
460-233560-3	WC-3 (0-5)	102	116
460-233638-4	WC-5 (0-5)	122	148 *
460-233638-5	WC-6 (0-5)	104	137
460-233790-1	WC-8 (0-5)	131	126
460-233790-2	WC-7 (0-5)	124	117
460-233790-3	WC-6_WC-7 (5-10)	119	116
LCS 460-776068/2-A	Lab Control Sample	105	130
LCS 460-776202/2-A	Lab Control Sample	139	182 *
LCS 460-776587/2-A	Lab Control Sample	113	148 *
LCSD 460-776068/3-A	Lab Control Sample Dup	108	135
LCSD 460-776202/3-A	Lab Control Sample Dup	128	158 *
LCSD 460-776587/3-A	Lab Control Sample Dup	99	130
MB 460-776068/1-A	Method Blank	102	92
MB 460-776202/1-A	Method Blank	127	118
MB 460-776587/1-A	Method Blank	103	94

Surrogate Legend

OTPH = o-Terphenyl

1COD = 1-Chlorooctadecane

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

Lab Sample ID: LB3 460-775794/1-A
Matrix: Solid
Analysis Batch: 776262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775794

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/04/21 23:02	05/06/21 19:18	1

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

Lab Sample ID: LB3 460-775794/1-A
Matrix: Solid
Analysis Batch: 776262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775794

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/04/21 23:02	05/06/21 19:18	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/04/21 23:02	05/06/21 19:18	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/04/21 23:02*	*05/06/21 19:18*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*05/04/21 23:02*	*05/06/21 19:18*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*05/04/21 23:02*	*05/06/21 19:18*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*05/04/21 23:02*	*05/06/21 19:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/04/21 23:02*	*05/06/21 19:18*	*1*

Lab Sample ID: LB3 460-776071/1-A
Matrix: Solid
Analysis Batch: 776504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776071

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/05/21 20:49	05/07/21 21:28	1

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

Lab Sample ID: LB3 460-776071/1-A
Matrix: Solid
Analysis Batch: 776504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776071

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/05/21 20:49	05/07/21 21:28	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/05/21 20:49	05/07/21 21:28	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/05/21 20:49*	*05/07/21 21:28*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 145*	*05/05/21 20:49*	*05/07/21 21:28*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*	*05/05/21 20:49*	*05/07/21 21:28*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*	*05/05/21 20:49*	*05/07/21 21:28*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*	*05/05/21 20:49*	*05/07/21 21:28*	*1*

Lab Sample ID: MB 460-776143/8
Matrix: Solid
Analysis Batch: 776143

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/06/21 10:15	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/06/21 10:15	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/06/21 10:15	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/06/21 10:15	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/06/21 10:15	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/06/21 10:15	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/06/21 10:15	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/06/21 10:15	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/06/21 10:15	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/06/21 10:15	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/06/21 10:15	1

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

Lab Sample ID: MB 460-776143/8
Matrix: Solid
Analysis Batch: 776143

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 123		05/06/21 10:15	1
4-Bromofluorobenzene	100		76 - 120		05/06/21 10:15	1
Dibromofluoromethane (Surr)	104		77 - 124		05/06/21 10:15	1
Toluene-d8 (Surr)	99		80 - 120		05/06/21 10:15	1

Lab Sample ID: LCS 460-776143/3
Matrix: Solid
Analysis Batch: 776143

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0210		mg/L		105	68 - 133		
1,2-Dichloroethane			0.0200	0.0193		mg/L		97	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0186		mg/L		93	80 - 118		
2-Butanone (MEK)			0.100	0.0900		mg/L		90	69 - 128		
Benzene			0.0200	0.0196		mg/L		98	78 - 126		
Carbon tetrachloride			0.0200	0.0201		mg/L		100	56 - 131		
Chlorobenzene			0.0200	0.0191		mg/L		96	80 - 119		
Chloroform			0.0200	0.0202		mg/L		101	78 - 125		
Tetrachloroethene			0.0200	0.0196		mg/L		98	70 - 127		
Trichloroethene			0.0200	0.0208		mg/L		104	71 - 121		
Vinyl chloride			0.0200	0.0230		mg/L		115	61 - 144		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		75 - 123
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	105		77 - 124
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 460-776143/4
Matrix: Solid
Analysis Batch: 776143

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0210		mg/L		105	68 - 133	0	30
1,2-Dichloroethane			0.0200	0.0196		mg/L		98	75 - 121	2	30
1,4-Dichlorobenzene			0.0200	0.0183		mg/L		92	80 - 118	1	30
2-Butanone (MEK)			0.100	0.0916		mg/L		92	69 - 128	2	30
Benzene			0.0200	0.0192		mg/L		96	78 - 126	2	30
Carbon tetrachloride			0.0200	0.0202		mg/L		101	56 - 131	0	30
Chlorobenzene			0.0200	0.0190		mg/L		95	80 - 119	1	30
Chloroform			0.0200	0.0202		mg/L		101	78 - 125	0	30
Tetrachloroethene			0.0200	0.0192		mg/L		96	70 - 127	2	30
Trichloroethene			0.0200	0.0209		mg/L		104	71 - 121	1	30
Vinyl chloride			0.0200	0.0224		mg/L		112	61 - 144	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 123
4-Bromofluorobenzene	103		76 - 120

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

Lab Sample ID: LCSD 460-776143/4
Matrix: Solid
Analysis Batch: 776143

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-776177/8
Matrix: Solid
Analysis Batch: 776177

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/06/21 11:58	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/06/21 11:58	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/06/21 11:58	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/06/21 11:58	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/06/21 11:58	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/06/21 11:58	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/06/21 11:58	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/06/21 11:58	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/06/21 11:58	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/06/21 11:58	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/06/21 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*05/06/21 11:58*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*05/06/21 11:58*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*05/06/21 11:58*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/06/21 11:58*	*1*

Lab Sample ID: LCS 460-776177/4
Matrix: Solid
Analysis Batch: 776177

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0168		mg/L		84	68 - 133
1,2-Dichloroethane	0.0200	0.0185		mg/L		92	75 - 121
1,4-Dichlorobenzene	0.0200	0.0182		mg/L		91	80 - 118
2-Butanone (MEK)	0.100	0.127		mg/L		127	69 - 128
Benzene	0.0200	0.0194		mg/L		97	78 - 126
Carbon tetrachloride	0.0200	0.0138		mg/L		69	56 - 131
Chlorobenzene	0.0200	0.0190		mg/L		95	80 - 119
Chloroform	0.0200	0.0177		mg/L		88	78 - 125
Tetrachloroethene	0.0200	0.0191		mg/L		96	70 - 127
Trichloroethene	0.0200	0.0178		mg/L		89	71 - 121
Vinyl chloride	0.0200	0.0184		mg/L		92	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: LCSD 460-776177/5
Matrix: Solid
Analysis Batch: 776177

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0168		mg/L		84	68 - 133	0	30
1,2-Dichloroethane			0.0200	0.0182		mg/L		91	75 - 121	1	30
1,4-Dichlorobenzene			0.0200	0.0181		mg/L		91	80 - 118	0	30
2-Butanone (MEK)			0.100	0.128		mg/L		128	69 - 128	1	30
Benzene			0.0200	0.0195		mg/L		98	78 - 126	1	30
Carbon tetrachloride			0.0200	0.0132		mg/L		66	56 - 131	4	30
Chlorobenzene			0.0200	0.0187		mg/L		93	80 - 119	2	30
Chloroform			0.0200	0.0176		mg/L		88	78 - 125	1	30
Tetrachloroethene			0.0200	0.0193		mg/L		97	70 - 127	1	30
Trichloroethene			0.0200	0.0175		mg/L		87	71 - 121	2	30
Vinyl chloride			0.0200	0.0182		mg/L		91	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*112*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LB3 460-776183/1-A
Matrix: Solid
Analysis Batch: 776596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776183

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/06/21 07:24	05/08/21 07:37	1

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

Lab Sample ID: LB3 460-776183/1-A
Matrix: Solid
Analysis Batch: 776596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776183

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
m-Xylene & p-Xylene	0.000236	J	0.0010	0.00017	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Styrene	0.000299	J	0.0010	0.00028	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/06/21 07:24	05/08/21 07:37	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/06/21 07:24	05/08/21 07:37	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/06/21 07:24*	*05/08/21 07:37*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*05/06/21 07:24*	*05/08/21 07:37*	*1*
4-Bromofluorobenzene	*97*		*70 - 139*	*05/06/21 07:24*	*05/08/21 07:37*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*	*05/06/21 07:24*	*05/08/21 07:37*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*05/06/21 07:24*	*05/08/21 07:37*	*1*

Lab Sample ID: MB 460-776262/7
Matrix: Solid
Analysis Batch: 776262

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/06/21 18:54	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/06/21 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/06/21 18:54	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/06/21 18:54	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/06/21 18:54	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/06/21 18:54	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/06/21 18:54	1

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

Lab Sample ID: MB 460-776262/7
Matrix: Solid
Analysis Batch: 776262

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/06/21 18:54	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/06/21 18:54	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/06/21 18:54	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/06/21 18:54	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/06/21 18:54	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/06/21 18:54	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/06/21 18:54	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/06/21 18:54	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/06/21 18:54	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/06/21 18:54	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/06/21 18:54	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/06/21 18:54	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/06/21 18:54	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/06/21 18:54	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/06/21 18:54	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/06/21 18:54	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/06/21 18:54	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/06/21 18:54	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/06/21 18:54	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/06/21 18:54	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/06/21 18:54	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/06/21 18:54	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/06/21 18:54	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/06/21 18:54	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/06/21 18:54	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/06/21 18:54	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/06/21 18:54	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/06/21 18:54	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/06/21 18:54	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/06/21 18:54	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/06/21 18:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/06/21 18:54	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/06/21 18:54	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/06/21 18:54	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/06/21 18:54	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/06/21 18:54	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/06/21 18:54	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/06/21 18:54	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/06/21 18:54	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/06/21 18:54	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/06/21 18:54	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/06/21 18:54	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/06/21 18:54	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/06/21 18:54	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/06/21 18:54*	*1*

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

Lab Sample ID: MB 460-776262/7
Matrix: Solid
Analysis Batch: 776262

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 145		05/06/21 18:54	1
4-Bromofluorobenzene	103		70 - 139		05/06/21 18:54	1
Dibromofluoromethane (Surr)	99		48 - 150		05/06/21 18:54	1
Toluene-d8 (Surr)	96		80 - 120		05/06/21 18:54	1

Lab Sample ID: LCS 460-776262/3
Matrix: Solid
Analysis Batch: 776262

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0213		mg/Kg		107	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0191		mg/Kg		96	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0227		mg/Kg		113	78 - 136
1,1,2-Trichloroethane	0.0200	0.0195		mg/Kg		98	75 - 120
1,1-Dichloroethane	0.0200	0.0211		mg/Kg		106	76 - 129
1,1-Dichloroethene	0.0200	0.0228		mg/Kg		114	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0195		mg/Kg		97	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0184		mg/Kg		92	60 - 126
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0204		mg/Kg		102	70 - 132
1,2-Dichloropropane	0.0200	0.0191		mg/Kg		95	73 - 124
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
2-Butanone (MEK)	0.100	0.0896		mg/Kg		90	75 - 120
2-Hexanone	0.100	0.0891		mg/Kg		89	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 122
Acetone	0.100	0.0908		mg/Kg		91	63 - 131
Benzene	0.0200	0.0217		mg/Kg		108	80 - 123
Bromoform	0.0200	0.0179		mg/Kg		89	48 - 142
Bromomethane	0.0200	0.0476	*	mg/Kg		238	46 - 150
Carbon disulfide	0.0200	0.0223		mg/Kg		112	67 - 136
Carbon tetrachloride	0.0200	0.0208		mg/Kg		104	72 - 136
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0203		mg/Kg		102	76 - 127
Chlorodibromomethane	0.0200	0.0196		mg/Kg		98	62 - 128
Chloroethane	0.0200	0.0225		mg/Kg		113	49 - 150
Chloroform	0.0200	0.0208		mg/Kg		104	79 - 126
Chloromethane	0.0200	0.0230		mg/Kg		115	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0209		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0206		mg/Kg		103	72 - 120
Cyclohexane	0.0200	0.0207		mg/Kg		104	80 - 132
Dichlorobromomethane	0.0200	0.0198		mg/Kg		99	73 - 124
Dichlorodifluoromethane	0.0200	0.0254		mg/Kg		127	40 - 146
Ethylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Methyl acetate	0.0400	0.0403		mg/Kg		101	58 - 143

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

Lab Sample ID: LCS 460-776262/3
Matrix: Solid
Analysis Batch: 776262

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	0.0200	0.0205		mg/Kg		103	80 - 125
Methylcyclohexane	0.0200	0.0202		mg/Kg		101	79 - 133
Methylene Chloride	0.0200	0.0209		mg/Kg		105	76 - 127
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		101	80 - 120
o-Xylene	0.0200	0.0197		mg/Kg		98	80 - 120
Styrene	0.0200	0.0199		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0206		mg/Kg		103	78 - 123
Toluene	0.0200	0.0212		mg/Kg		106	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0222		mg/Kg		111	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0202		mg/Kg		101	68 - 120
Trichloroethene	0.0200	0.0200		mg/Kg		100	79 - 120
Trichlorofluoromethane	0.0200	0.0238		mg/Kg		119	67 - 142
Vinyl chloride	0.0200	0.0261		mg/Kg		131	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*99*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-776262/4
Matrix: Solid
Analysis Batch: 776262

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0217		mg/Kg		109	78 - 132	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0228		mg/Kg		114	78 - 136	1	30
1,1,2-Trichloroethane	0.0200	0.0193		mg/Kg		96	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	76 - 129	2	30
1,1-Dichloroethene	0.0200	0.0234		mg/Kg		117	77 - 132	3	30
1,2,3-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	65 - 144	1	30
1,2,4-Trichlorobenzene	0.0200	0.0195		mg/Kg		97	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	60 - 126	6	30
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0205		mg/Kg		102	70 - 132	0	30
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124	1	30
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	0	30
1,4-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0893		mg/Kg		89	75 - 120	0	30
2-Hexanone	0.100	0.0878		mg/Kg		88	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0908		mg/Kg		91	80 - 122	1	30
Acetone	0.100	0.0917		mg/Kg		92	63 - 131	1	30
Benzene	0.0200	0.0210		mg/Kg		105	80 - 123	3	30
Bromoform	0.0200	0.0173		mg/Kg		86	48 - 142	3	30
Bromomethane	0.0200	0.0532	*	mg/Kg		266	46 - 150	11	30
Carbon disulfide	0.0200	0.0228		mg/Kg		114	67 - 136	2	30
Carbon tetrachloride	0.0200	0.0212		mg/Kg		106	72 - 136	2	30

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

Lab Sample ID: LCSD 460-776262/4
Matrix: Solid
Analysis Batch: 776262

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
Chlorobromomethane	0.0200	0.0208		mg/Kg		104	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0190		mg/Kg		95	62 - 128	3	30
Chloroethane	0.0200	0.0250		mg/Kg		125	49 - 150	10	30
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126	2	30
Chloromethane	0.0200	0.0244		mg/Kg		122	48 - 150	6	30
cis-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		108	80 - 123	3	30
cis-1,3-Dichloropropene	0.0200	0.0202		mg/Kg		101	72 - 120	2	30
Cyclohexane	0.0200	0.0209		mg/Kg		104	80 - 132	1	30
Dichlorobromomethane	0.0200	0.0197		mg/Kg		99	73 - 124	0	30
Dichlorodifluoromethane	0.0200	0.0267		mg/Kg		133	40 - 146	5	30
Ethylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	0	30
Ethylene Dibromide	0.0200	0.0193		mg/Kg		96	79 - 120	3	30
Isopropylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	3	30
Methyl acetate	0.0400	0.0403		mg/Kg		101	58 - 143	0	30
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		104	80 - 125	1	30
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133	1	30
Methylene Chloride	0.0200	0.0214		mg/Kg		107	76 - 127	2	30
m-Xylene & p-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120	1	30
o-Xylene	0.0200	0.0197		mg/Kg		98	80 - 120	0	30
Styrene	0.0200	0.0196		mg/Kg		98	80 - 120	1	30
Tetrachloroethene	0.0200	0.0203		mg/Kg		102	78 - 123	1	30
Toluene	0.0200	0.0207		mg/Kg		104	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0228		mg/Kg		114	78 - 128	3	30
trans-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	68 - 120	2	30
Trichloroethene	0.0200	0.0205		mg/Kg		103	79 - 120	3	30
Trichlorofluoromethane	0.0200	0.0249		mg/Kg		124	67 - 142	4	30
Vinyl chloride	0.0200	0.0278		mg/Kg		139	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 460-776420/8
Matrix: Solid
Analysis Batch: 776420

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/07/21 12:12	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/07/21 12:12	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/07/21 12:12	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/07/21 12:12	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/07/21 12:12	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/07/21 12:12	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/07/21 12:12	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/07/21 12:12	1

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

Lab Sample ID: MB 460-776420/8
Matrix: Solid
Analysis Batch: 776420

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/07/21 12:12	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/07/21 12:12	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/07/21 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/07/21 12:12*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/07/21 12:12*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*05/07/21 12:12*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/07/21 12:12*	*1*

Lab Sample ID: LCS 460-776420/4
Matrix: Solid
Analysis Batch: 776420

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0171		mg/L		85	68 - 133
1,2-Dichloroethane	0.0200	0.0187		mg/L		93	75 - 121
1,4-Dichlorobenzene	0.0200	0.0176		mg/L		88	80 - 118
2-Butanone (MEK)	0.100	0.119		mg/L		119	69 - 128
Benzene	0.0200	0.0187		mg/L		94	78 - 126
Carbon tetrachloride	0.0200	0.0142		mg/L		71	56 - 131
Chlorobenzene	0.0200	0.0185		mg/L		92	80 - 119
Chloroform	0.0200	0.0174		mg/L		87	78 - 125
Tetrachloroethene	0.0200	0.0186		mg/L		93	70 - 127
Trichloroethene	0.0200	0.0175		mg/L		87	71 - 121
Vinyl chloride	0.0200	0.0192		mg/L		96	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-776420/5
Matrix: Solid
Analysis Batch: 776420

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0165		mg/L		82	68 - 133	4	30
1,2-Dichloroethane	0.0200	0.0179		mg/L		90	75 - 121	4	30
1,4-Dichlorobenzene	0.0200	0.0179		mg/L		90	80 - 118	2	30
2-Butanone (MEK)	0.100	0.108		mg/L		108	69 - 128	10	30
Benzene	0.0200	0.0182		mg/L		91	78 - 126	3	30
Carbon tetrachloride	0.0200	0.0143		mg/L		72	56 - 131	0	30
Chlorobenzene	0.0200	0.0184		mg/L		92	80 - 119	1	30
Chloroform	0.0200	0.0173		mg/L		87	78 - 125	0	30
Tetrachloroethene	0.0200	0.0183		mg/L		91	70 - 127	2	30
Trichloroethene	0.0200	0.0170		mg/L		85	71 - 121	3	30

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

Lab Sample ID: LCSD 460-776420/5
Matrix: Solid
Analysis Batch: 776420

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			0.0200	0.0188		mg/L		94	61 - 144	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*
4-Bromofluorobenzene	*107*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-776504/8
Matrix: Solid
Analysis Batch: 776504

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/07/21 19:30	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/07/21 19:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/07/21 19:30	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/07/21 19:30	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/07/21 19:30	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/07/21 19:30	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/07/21 19:30	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/07/21 19:30	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/07/21 19:30	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/07/21 19:30	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/07/21 19:30	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/07/21 19:30	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/07/21 19:30	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/07/21 19:30	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/07/21 19:30	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/07/21 19:30	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/07/21 19:30	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/07/21 19:30	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/07/21 19:30	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/07/21 19:30	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/07/21 19:30	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/07/21 19:30	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/07/21 19:30	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/07/21 19:30	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/07/21 19:30	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/07/21 19:30	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/07/21 19:30	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/07/21 19:30	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/07/21 19:30	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/07/21 19:30	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/07/21 19:30	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/07/21 19:30	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/07/21 19:30	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/07/21 19:30	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/07/21 19:30	1

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

Lab Sample ID: MB 460-776504/8
Matrix: Solid
Analysis Batch: 776504

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/07/21 19:30	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/07/21 19:30	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/07/21 19:30	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/07/21 19:30	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/07/21 19:30	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/07/21 19:30	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/07/21 19:30	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/07/21 19:30	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/07/21 19:30	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/07/21 19:30	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/07/21 19:30	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/07/21 19:30	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/07/21 19:30	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/07/21 19:30	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/07/21 19:30	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/07/21 19:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/07/21 19:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*		*05/07/21 19:30*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*05/07/21 19:30*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*		*05/07/21 19:30*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/07/21 19:30*	*1*

Lab Sample ID: LCS 460-776504/4
Matrix: Solid
Analysis Batch: 776504

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0196		mg/Kg		98	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0167		mg/Kg		84	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0218		mg/Kg		109	78 - 136
1,1,2-Trichloroethane	0.0200	0.0163		mg/Kg		81	75 - 120
1,1-Dichloroethane	0.0200	0.0203		mg/Kg		102	76 - 129
1,1-Dichloroethene	0.0200	0.0226		mg/Kg		113	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0167		mg/Kg		83	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0167		mg/Kg		84	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0151		mg/Kg		75	60 - 126
1,2-Dichlorobenzene	0.0200	0.0169		mg/Kg		85	80 - 120
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 132
1,2-Dichloropropane	0.0200	0.0166		mg/Kg		83	73 - 124
1,3-Dichlorobenzene	0.0200	0.0171		mg/Kg		86	80 - 120
1,4-Dichlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
2-Butanone (MEK)	0.100	0.0753		mg/Kg		75	75 - 120
2-Hexanone	0.100	0.0794		mg/Kg		79	78 - 120

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

Lab Sample ID: LCS 460-776504/4
Matrix: Solid
Analysis Batch: 776504

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	0.100	0.0827		mg/Kg		83	80 - 122
Acetone	0.100	0.0862		mg/Kg		86	63 - 131
Benzene	0.0200	0.0177		mg/Kg		88	80 - 123
Bromoform	0.0200	0.0139		mg/Kg		70	48 - 142
Bromomethane	0.0200	0.0592	*	mg/Kg		296	46 - 150
Carbon disulfide	0.0200	0.0214		mg/Kg		107	67 - 136
Carbon tetrachloride	0.0200	0.0190		mg/Kg		95	72 - 136
Chlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
Chlorobromomethane	0.0200	0.0187		mg/Kg		93	76 - 127
Chlorodibromomethane	0.0200	0.0154		mg/Kg		77	62 - 128
Chloroethane	0.0200	0.0213		mg/Kg		107	49 - 150
Chloroform	0.0200	0.0198		mg/Kg		99	79 - 126
Chloromethane	0.0200	0.0236		mg/Kg		118	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		99	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0165		mg/Kg		82	72 - 120
Cyclohexane	0.0200	0.0191		mg/Kg		96	80 - 132
Dichlorobromomethane	0.0200	0.0177		mg/Kg		88	73 - 124
Dichlorodifluoromethane	0.0200	0.0247		mg/Kg		124	40 - 146
Ethylbenzene	0.0200	0.0171		mg/Kg		85	80 - 120
Ethylene Dibromide	0.0200	0.0164		mg/Kg		82	79 - 120
Isopropylbenzene	0.0200	0.0176		mg/Kg		88	80 - 120
Methyl acetate	0.0400	0.0390		mg/Kg		97	58 - 143
Methyl tert-butyl ether	0.0200	0.0191		mg/Kg		95	80 - 125
Methylcyclohexane	0.0200	0.0172		mg/Kg		86	79 - 133
Methylene Chloride	0.0200	0.0204		mg/Kg		102	76 - 127
m-Xylene & p-Xylene	0.0200	0.0171		mg/Kg		85	80 - 120
o-Xylene	0.0200	0.0170		mg/Kg		85	80 - 120
Styrene	0.0200	0.0170		mg/Kg		85	80 - 120
Tetrachloroethene	0.0200	0.0171		mg/Kg		86	78 - 123
Toluene	0.0200	0.0181		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0161		mg/Kg		80	68 - 120
Trichloroethene	0.0200	0.0174		mg/Kg		87	79 - 120
Trichlorofluoromethane	0.0200	0.0230		mg/Kg		115	67 - 142
Vinyl chloride	0.0200	0.0269		mg/Kg		134	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*
4-Bromofluorobenzene	*91*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-776504/5
Matrix: Solid
Analysis Batch: 776504

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0209		mg/Kg		104	78 - 132	7	30

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

Lab Sample ID: LCSD 460-776504/5
Matrix: Solid
Analysis Batch: 776504

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	69 - 123	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0229		mg/Kg		115	78 - 136	5	30
1,1,2-Trichloroethane	0.0200	0.0190		mg/Kg		95	75 - 120	15	30
1,1-Dichloroethane	0.0200	0.0209		mg/Kg		105	76 - 129	3	30
1,1-Dichloroethene	0.0200	0.0236		mg/Kg		118	77 - 132	4	30
1,2,3-Trichlorobenzene	0.0200	0.0183		mg/Kg		91	65 - 144	9	30
1,2,4-Trichlorobenzene	0.0200	0.0182		mg/Kg		91	75 - 120	9	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0167		mg/Kg		84	60 - 126	10	30
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	10	30
1,2-Dichloroethane	0.0200	0.0200		mg/Kg		100	70 - 132	5	30
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		91	73 - 124	10	30
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	8	30
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120	9	30
2-Butanone (MEK)	0.100	0.0845		mg/Kg		85	75 - 120	12	30
2-Hexanone	0.100	0.0815		mg/Kg		81	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0861		mg/Kg		86	80 - 122	4	30
Acetone	0.100	0.0879		mg/Kg		88	63 - 131	2	30
Benzene	0.0200	0.0210		mg/Kg		105	80 - 123	17	30
Bromoform	0.0200	0.0166		mg/Kg		83	48 - 142	17	30
Bromomethane	0.0200	0.0619	*	mg/Kg		310	46 - 150	4	30
Carbon disulfide	0.0200	0.0222		mg/Kg		111	67 - 136	4	30
Carbon tetrachloride	0.0200	0.0203		mg/Kg		102	72 - 136	7	30
Chlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120	11	30
Chlorobromomethane	0.0200	0.0203		mg/Kg		101	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	62 - 128	17	30
Chloroethane	0.0200	0.0277		mg/Kg		138	49 - 150	26	30
Chloroform	0.0200	0.0209		mg/Kg		104	79 - 126	5	30
Chloromethane	0.0200	0.0236		mg/Kg		118	48 - 150	0	30
cis-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	80 - 123	3	30
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		99	72 - 120	18	30
Cyclohexane	0.0200	0.0202		mg/Kg		101	80 - 132	6	30
Dichlorobromomethane	0.0200	0.0188		mg/Kg		94	73 - 124	6	30
Dichlorodifluoromethane	0.0200	0.0247		mg/Kg		124	40 - 146	0	30
Ethylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120	10	30
Ethylene Dibromide	0.0200	0.0190		mg/Kg		95	79 - 120	14	30
Isopropylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120	11	30
Methyl acetate	0.0400	0.0407		mg/Kg		102	58 - 143	4	30
Methyl tert-butyl ether	0.0200	0.0205		mg/Kg		102	80 - 125	7	30
Methylcyclohexane	0.0200	0.0194		mg/Kg		97	79 - 133	12	30
Methylene Chloride	0.0200	0.0209		mg/Kg		104	76 - 127	2	30
m-Xylene & p-Xylene	0.0200	0.0189		mg/Kg		94	80 - 120	10	30
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120	10	30
Styrene	0.0200	0.0185		mg/Kg		92	80 - 120	9	30
Tetrachloroethene	0.0200	0.0199		mg/Kg		99	78 - 123	15	30
Toluene	0.0200	0.0202		mg/Kg		101	80 - 120	11	30
trans-1,2-Dichloroethene	0.0200	0.0216		mg/Kg		108	78 - 128	2	30
trans-1,3-Dichloropropene	0.0200	0.0188		mg/Kg		94	68 - 120	16	30
Trichloroethene	0.0200	0.0194		mg/Kg		97	79 - 120	11	30

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

Lab Sample ID: LCSD 460-776504/5
Matrix: Solid
Analysis Batch: 776504

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane			0.0200	0.0244		mg/Kg		122	67 - 142	6	30
Vinyl chloride			0.0200	0.0267		mg/Kg		133	56 - 147	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*89*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LB3 460-776542/1-A
Matrix: Solid
Analysis Batch: 776838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776542

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/07/21 16:40	05/10/21 07:09	1

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

Lab Sample ID: LB3 460-776542/1-A
Matrix: Solid
Analysis Batch: 776838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776542

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/07/21 16:40	05/10/21 07:09	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/07/21 16:40	05/10/21 07:09	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/07/21 16:40*	*05/10/21 07:09*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*05/07/21 16:40*	*05/10/21 07:09*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*05/07/21 16:40*	*05/10/21 07:09*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*05/07/21 16:40*	*05/10/21 07:09*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*	*05/07/21 16:40*	*05/10/21 07:09*	*1*

Lab Sample ID: MB 460-776596/7
Matrix: Solid
Analysis Batch: 776596

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/08/21 07:13	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/08/21 07:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/08/21 07:13	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/08/21 07:13	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/08/21 07:13	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/08/21 07:13	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/08/21 07:13	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/08/21 07:13	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/08/21 07:13	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/08/21 07:13	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/08/21 07:13	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/08/21 07:13	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/08/21 07:13	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/08/21 07:13	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/08/21 07:13	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/08/21 07:13	1

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

Lab Sample ID: MB 460-776596/7
Matrix: Solid
Analysis Batch: 776596

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/08/21 07:13	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/08/21 07:13	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/08/21 07:13	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/08/21 07:13	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/08/21 07:13	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/08/21 07:13	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/08/21 07:13	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/08/21 07:13	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/08/21 07:13	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/08/21 07:13	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/08/21 07:13	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/08/21 07:13	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/08/21 07:13	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/08/21 07:13	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/08/21 07:13	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/08/21 07:13	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/08/21 07:13	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/08/21 07:13	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/08/21 07:13	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/08/21 07:13	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/08/21 07:13	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/08/21 07:13	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/08/21 07:13	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/08/21 07:13	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/08/21 07:13	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/08/21 07:13	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/08/21 07:13	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/08/21 07:13	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/08/21 07:13	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/08/21 07:13	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/08/21 07:13	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/08/21 07:13	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/08/21 07:13	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/08/21 07:13	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/08/21 07:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/08/21 07:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*		*05/08/21 07:13*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*		*05/08/21 07:13*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*		*05/08/21 07:13*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/08/21 07:13*	*1*

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

Lab Sample ID: LCS 460-776596/3
Matrix: Solid
Analysis Batch: 776596

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0226		mg/Kg		113	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0252		mg/Kg		126	78 - 136
1,1,2-Trichloroethane	0.0200	0.0199		mg/Kg		99	75 - 120
1,1-Dichloroethane	0.0200	0.0223		mg/Kg		111	76 - 129
1,1-Dichloroethene	0.0200	0.0253		mg/Kg		127	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0195		mg/Kg		97	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0171		mg/Kg		85	60 - 126
1,2-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0200	0.0207		mg/Kg		103	70 - 132
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
1,4-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.0931		mg/Kg		93	75 - 120
2-Hexanone	0.100	0.0862		mg/Kg		86	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0913		mg/Kg		91	80 - 122
Acetone	0.100	0.0937		mg/Kg		94	63 - 131
Benzene	0.0200	0.0221		mg/Kg		111	80 - 123
Bromoform	0.0200	0.0168		mg/Kg		84	48 - 142
Bromomethane	0.0200	0.0548	*	mg/Kg		274	46 - 150
Carbon disulfide	0.0200	0.0240		mg/Kg		120	67 - 136
Carbon tetrachloride	0.0200	0.0219		mg/Kg		109	72 - 136
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0187		mg/Kg		93	62 - 128
Chloroethane	0.0200	0.0198		mg/Kg		99	49 - 150
Chloroform	0.0200	0.0220		mg/Kg		110	79 - 126
Chloromethane	0.0200	0.0209		mg/Kg		104	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0200		mg/Kg		100	72 - 120
Cyclohexane	0.0200	0.0218		mg/Kg		109	80 - 132
Dichlorobromomethane	0.0200	0.0195		mg/Kg		97	73 - 124
Dichlorodifluoromethane	0.0200	0.0239		mg/Kg		119	40 - 146
Ethylbenzene	0.0200	0.0202		mg/Kg		101	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Methyl acetate	0.0400	0.0398		mg/Kg		100	58 - 143
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	80 - 125
Methylcyclohexane	0.0200	0.0208		mg/Kg		104	79 - 133
Methylene Chloride	0.0200	0.0222		mg/Kg		111	76 - 127
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		100	80 - 120
o-Xylene	0.0200	0.0199		mg/Kg		99	80 - 120
Styrene	0.0200	0.0197		mg/Kg		98	80 - 120
Tetrachloroethene	0.0200	0.0212		mg/Kg		106	78 - 123
Toluene	0.0200	0.0215		mg/Kg		107	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0237		mg/Kg		118	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	68 - 120

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

Lab Sample ID: LCS 460-776596/3
Matrix: Solid
Analysis Batch: 776596

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0206		mg/Kg		103	79 - 120
Trichlorofluoromethane	0.0200	0.0221		mg/Kg		111	67 - 142
Vinyl chloride	0.0200	0.0254		mg/Kg		127	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*108*		*48 - 150*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-776596/4
Matrix: Solid
Analysis Batch: 776596

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0213		mg/Kg		106	78 - 132	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0188		mg/Kg		94	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0240		mg/Kg		120	78 - 136	5	30
1,1,2-Trichloroethane	0.0200	0.0191		mg/Kg		95	75 - 120	4	30
1,1-Dichloroethane	0.0200	0.0212		mg/Kg		106	76 - 129	5	30
1,1-Dichloroethene	0.0200	0.0243		mg/Kg		121	77 - 132	4	30
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	65 - 144	3	30
1,2,4-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0184		mg/Kg		92	60 - 126	7	30
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0198		mg/Kg		99	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0177		mg/Kg		89	73 - 124	7	30
1,3-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0901		mg/Kg		90	75 - 120	3	30
2-Hexanone	0.100	0.0838		mg/Kg		84	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0863		mg/Kg		86	80 - 122	6	30
Acetone	0.100	0.0909		mg/Kg		91	63 - 131	3	30
Benzene	0.0200	0.0211		mg/Kg		106	80 - 123	5	30
Bromoform	0.0200	0.0166		mg/Kg		83	48 - 142	1	30
Bromomethane	0.0200	0.0542	*	mg/Kg		271	46 - 150	1	30
Carbon disulfide	0.0200	0.0224		mg/Kg		112	67 - 136	7	30
Carbon tetrachloride	0.0200	0.0207		mg/Kg		104	72 - 136	5	30
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	4	30
Chlorobromomethane	0.0200	0.0204		mg/Kg		102	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0184		mg/Kg		92	62 - 128	1	30
Chloroethane	0.0200	0.0191		mg/Kg		95	49 - 150	4	30
Chloroform	0.0200	0.0211		mg/Kg		106	79 - 126	4	30
Chloromethane	0.0200	0.0204		mg/Kg		102	48 - 150	2	30
cis-1,2-Dichloroethene	0.0200	0.0209		mg/Kg		105	80 - 123	4	30
cis-1,3-Dichloropropene	0.0200	0.0195		mg/Kg		98	72 - 120	2	30
Cyclohexane	0.0200	0.0205		mg/Kg		103	80 - 132	6	30
Dichlorobromomethane	0.0200	0.0187		mg/Kg		93	73 - 124	4	30

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

Lab Sample ID: LCSD 460-776596/4
Matrix: Solid
Analysis Batch: 776596

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			0.0200	0.0232		mg/Kg		116	40 - 146	3	30
Ethylbenzene			0.0200	0.0191		mg/Kg		95	80 - 120	6	30
Ethylene Dibromide			0.0200	0.0196		mg/Kg		98	79 - 120	1	30
Isopropylbenzene			0.0200	0.0201		mg/Kg		100	80 - 120	6	30
Methyl acetate			0.0400	0.0399		mg/Kg		100	58 - 143	0	30
Methyl tert-butyl ether			0.0200	0.0207		mg/Kg		103	80 - 125	3	30
Methylcyclohexane			0.0200	0.0194		mg/Kg		97	79 - 133	7	30
Methylene Chloride			0.0200	0.0210		mg/Kg		105	76 - 127	6	30
m-Xylene & p-Xylene			0.0200	0.0191		mg/Kg		96	80 - 120	5	30
o-Xylene			0.0200	0.0190		mg/Kg		95	80 - 120	4	30
Styrene			0.0200	0.0189		mg/Kg		94	80 - 120	4	30
Tetrachloroethene			0.0200	0.0205		mg/Kg		103	78 - 123	3	30
Toluene			0.0200	0.0206		mg/Kg		103	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0228		mg/Kg		114	78 - 128	4	30
trans-1,3-Dichloropropene			0.0200	0.0190		mg/Kg		95	68 - 120	2	30
Trichloroethene			0.0200	0.0196		mg/Kg		98	79 - 120	5	30
Trichlorofluoromethane			0.0200	0.0219		mg/Kg		110	67 - 142	1	30
Vinyl chloride			0.0200	0.0251		mg/Kg		126	56 - 147	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*95*		*70 - 139*
Dibromofluoromethane (Surr)	*106*		*48 - 150*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LB3 460-776706/1-A
Matrix: Solid
Analysis Batch: 776972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776706

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/08/21 18:54	05/10/21 19:10	1

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

Lab Sample ID: LB3 460-776706/1-A
Matrix: Solid
Analysis Batch: 776972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776706

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Methylene Chloride	0.00182	J	0.0020	0.0011	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
m-Xylene & p-Xylene	0.000258	J	0.0010	0.00017	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Tetrachloroethene	0.000936	J	0.0010	0.00031	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Toluene	0.000355	J	0.0010	0.00023	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/08/21 18:54	05/10/21 19:10	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/08/21 18:54	05/10/21 19:10	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/08/21 18:54*	*05/10/21 19:10*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*05/08/21 18:54*	*05/10/21 19:10*	*1*
4-Bromofluorobenzene	*98*		*70 - 139*	*05/08/21 18:54*	*05/10/21 19:10*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*05/08/21 18:54*	*05/10/21 19:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*05/08/21 18:54*	*05/10/21 19:10*	*1*

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

Lab Sample ID: MB 460-776772/8
Matrix: Solid
Analysis Batch: 776772

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/11/21 14:17	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/11/21 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/11/21 14:17	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/11/21 14:17	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/11/21 14:17	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/11/21 14:17	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/11/21 14:17	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/11/21 14:17	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/11/21 14:17	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/11/21 14:17	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/11/21 14:17	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/11/21 14:17	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/11/21 14:17	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/11/21 14:17	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/11/21 14:17	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/11/21 14:17	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/11/21 14:17	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/11/21 14:17	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/11/21 14:17	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/11/21 14:17	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/11/21 14:17	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/11/21 14:17	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/11/21 14:17	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/11/21 14:17	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/11/21 14:17	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/11/21 14:17	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/11/21 14:17	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/11/21 14:17	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/11/21 14:17	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/11/21 14:17	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/11/21 14:17	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/11/21 14:17	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/11/21 14:17	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/11/21 14:17	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/11/21 14:17	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/11/21 14:17	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/11/21 14:17	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/11/21 14:17	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/11/21 14:17	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/11/21 14:17	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/11/21 14:17	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/11/21 14:17	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/11/21 14:17	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/11/21 14:17	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/11/21 14:17	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/11/21 14:17	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/11/21 14:17	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/11/21 14:17	1

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

Lab Sample ID: MB 460-776772/8
Matrix: Solid
Analysis Batch: 776772

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/11/21 14:17	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/11/21 14:17	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/11/21 14:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/11/21 14:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*		*05/11/21 14:17*	*1*
4-Bromofluorobenzene	*95*		*70 - 139*		*05/11/21 14:17*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*		*05/11/21 14:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/11/21 14:17*	*1*

Lab Sample ID: LCS 460-776772/4
Matrix: Solid
Analysis Batch: 776772

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0196		mg/Kg		98	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0222		mg/Kg		111	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0208		mg/Kg		104	78 - 136
1,1,2-Trichloroethane	0.0200	0.0216		mg/Kg		108	75 - 120
1,1-Dichloroethane	0.0200	0.0199		mg/Kg		99	76 - 129
1,1-Dichloroethene	0.0200	0.0218		mg/Kg		109	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		105	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0209		mg/Kg		104	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0281	*	mg/Kg		140	60 - 126
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
1,2-Dichloroethane	0.0200	0.0207		mg/Kg		103	70 - 132
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.108		mg/Kg		108	75 - 120
2-Hexanone	0.100	0.0877		mg/Kg		88	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0867		mg/Kg		87	80 - 122
Acetone	0.100	0.101		mg/Kg		101	63 - 131
Benzene	0.0200	0.0205		mg/Kg		103	80 - 123
Bromoform	0.0200	0.0207		mg/Kg		103	48 - 142
Bromomethane	0.0200	0.0247		mg/Kg		123	46 - 150
Carbon disulfide	0.0200	0.0219		mg/Kg		109	67 - 136
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	72 - 136
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0249		mg/Kg		124	76 - 127
Chlorodibromomethane	0.0200	0.0210		mg/Kg		105	62 - 128
Chloroethane	0.0200	0.0232		mg/Kg		116	49 - 150
Chloroform	0.0200	0.0216		mg/Kg		108	79 - 126
Chloromethane	0.0200	0.0220		mg/Kg		110	48 - 150

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

Lab Sample ID: LCS 460-776772/4
Matrix: Solid
Analysis Batch: 776772

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0200	0.0229		mg/Kg		115	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0210		mg/Kg		105	72 - 120
Cyclohexane	0.0200	0.0191		mg/Kg		95	80 - 132
Dichlorobromomethane	0.0200	0.0219		mg/Kg		109	73 - 124
Dichlorodifluoromethane	0.0200	0.0201		mg/Kg		101	40 - 146
Ethylbenzene	0.0200	0.0187		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0219		mg/Kg		110	79 - 120
Isopropylbenzene	0.0200	0.0185		mg/Kg		93	80 - 120
Methyl acetate	0.0400	0.0476		mg/Kg		119	58 - 143
Methyl tert-butyl ether	0.0200	0.0222		mg/Kg		111	80 - 125
Methylcyclohexane	0.0200	0.0182		mg/Kg		91	79 - 133
Methylene Chloride	0.0200	0.0243		mg/Kg		121	76 - 127
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120
o-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
Styrene	0.0200	0.0192		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0178		mg/Kg		89	78 - 123
Toluene	0.0200	0.0195		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0220		mg/Kg		110	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0211		mg/Kg		106	68 - 120
Trichloroethene	0.0200	0.0202		mg/Kg		101	79 - 120
Trichlorofluoromethane	0.0200	0.0203		mg/Kg		102	67 - 142
Vinyl chloride	0.0200	0.0233		mg/Kg		116	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*110*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-776772/5
Matrix: Solid
Analysis Batch: 776772

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0205		mg/Kg		103	78 - 132	5	30
1,1,2,2-Tetrachloroethane	0.0200	0.0211		mg/Kg		106	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0214		mg/Kg		107	78 - 136	3	30
1,1,2-Trichloroethane	0.0200	0.0213		mg/Kg		106	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0206		mg/Kg		103	76 - 129	4	30
1,1-Dichloroethene	0.0200	0.0219		mg/Kg		109	77 - 132	0	30
1,2,3-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	65 - 144	5	30
1,2,4-Trichlorobenzene	0.0200	0.0218		mg/Kg		109	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0261	*	mg/Kg		131	60 - 126	7	30
1,2-Dichlorobenzene	0.0200	0.0207		mg/Kg		104	80 - 120	5	30
1,2-Dichloroethane	0.0200	0.0201		mg/Kg		100	70 - 132	3	30
1,2-Dichloropropane	0.0200	0.0201		mg/Kg		101	73 - 124	1	30
1,3-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	9	30
1,4-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	6	30

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

Lab Sample ID: LCSD 460-776772/5
Matrix: Solid
Analysis Batch: 776772

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			0.100	0.106		mg/Kg		106	75 - 120	2	30
2-Hexanone			0.100	0.0886		mg/Kg		89	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0879		mg/Kg		88	80 - 122	1	30
Acetone			0.100	0.0987		mg/Kg		99	63 - 131	2	30
Benzene			0.0200	0.0208		mg/Kg		104	80 - 123	1	30
Bromoform			0.0200	0.0197		mg/Kg		99	48 - 142	5	30
Bromomethane			0.0200	0.0239		mg/Kg		119	46 - 150	3	30
Carbon disulfide			0.0200	0.0221		mg/Kg		111	67 - 136	1	30
Carbon tetrachloride			0.0200	0.0198		mg/Kg		99	72 - 136	1	30
Chlorobenzene			0.0200	0.0204		mg/Kg		102	80 - 120	5	30
Chlorobromomethane			0.0200	0.0233		mg/Kg		116	76 - 127	7	30
Chlorodibromomethane			0.0200	0.0208		mg/Kg		104	62 - 128	1	30
Chloroethane			0.0200	0.0217		mg/Kg		108	49 - 150	7	30
Chloroform			0.0200	0.0216		mg/Kg		108	79 - 126	0	30
Chloromethane			0.0200	0.0208		mg/Kg		104	48 - 150	5	30
cis-1,2-Dichloroethene			0.0200	0.0234		mg/Kg		117	80 - 123	2	30
cis-1,3-Dichloropropene			0.0200	0.0205		mg/Kg		103	72 - 120	2	30
Cyclohexane			0.0200	0.0197		mg/Kg		98	80 - 132	3	30
Dichlorobromomethane			0.0200	0.0212		mg/Kg		106	73 - 124	3	30
Dichlorodifluoromethane			0.0200	0.0185		mg/Kg		93	40 - 146	8	30
Ethylbenzene			0.0200	0.0197		mg/Kg		99	80 - 120	5	30
Ethylene Dibromide			0.0200	0.0215		mg/Kg		108	79 - 120	2	30
Isopropylbenzene			0.0200	0.0198		mg/Kg		99	80 - 120	7	30
Methyl acetate			0.0400	0.0439		mg/Kg		110	58 - 143	8	30
Methyl tert-butyl ether			0.0200	0.0208		mg/Kg		104	80 - 125	7	30
Methylcyclohexane			0.0200	0.0192		mg/Kg		96	79 - 133	5	30
Methylene Chloride			0.0200	0.0239		mg/Kg		120	76 - 127	1	30
m-Xylene & p-Xylene			0.0200	0.0201		mg/Kg		101	80 - 120	5	30
o-Xylene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
Styrene			0.0200	0.0201		mg/Kg		101	80 - 120	5	30
Tetrachloroethene			0.0200	0.0191		mg/Kg		95	78 - 123	7	30
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0232		mg/Kg		116	78 - 128	5	30
trans-1,3-Dichloropropene			0.0200	0.0205		mg/Kg		103	68 - 120	3	30
Trichloroethene			0.0200	0.0203		mg/Kg		102	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0200		mg/Kg		100	67 - 142	2	30
Vinyl chloride			0.0200	0.0222		mg/Kg		111	56 - 147	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*91*		*70 - 139*
Dibromofluoromethane (Surr)	*110*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 460-776838/7
Matrix: Solid
Analysis Batch: 776838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 06:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 06:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 06:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/10/21 06:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 06:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/10/21 06:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/10/21 06:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/10/21 06:45	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/10/21 06:45	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/10/21 06:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/10/21 06:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 06:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/10/21 06:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/10/21 06:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/10/21 06:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 06:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 06:45	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/10/21 06:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/10/21 06:45	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/10/21 06:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/10/21 06:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 06:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/10/21 06:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/10/21 06:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/10/21 06:45	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/10/21 06:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/10/21 06:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/10/21 06:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/10/21 06:45	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/10/21 06:45	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 06:45	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 06:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/10/21 06:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/10/21 06:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1

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

Lab Sample ID: MB 460-776838/7
Matrix: Solid
Analysis Batch: 776838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/10/21 06:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/10/21 06:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/10/21 06:45	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/10/21 06:45*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 145*		*05/10/21 06:45*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*05/10/21 06:45*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*		*05/10/21 06:45*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/10/21 06:45*	*1*

Lab Sample ID: LCS 460-776838/3
Matrix: Solid
Analysis Batch: 776838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0218		mg/Kg		109	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0172		mg/Kg		86	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0253		mg/Kg		126	78 - 136
1,1,2-Trichloroethane	0.0200	0.0181		mg/Kg		91	75 - 120
1,1-Dichloroethane	0.0200	0.0217		mg/Kg		109	76 - 129
1,1-Dichloroethene	0.0200	0.0258		mg/Kg		129	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0177		mg/Kg		89	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0182		mg/Kg		91	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0149		mg/Kg		74	60 - 126
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0193		mg/Kg		96	70 - 132
1,2-Dichloropropane	0.0200	0.0176		mg/Kg		88	73 - 124
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0872		mg/Kg		87	75 - 120
2-Hexanone	0.100	0.0764	*	mg/Kg		76	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0809		mg/Kg		81	80 - 122
Acetone	0.100	0.0940		mg/Kg		94	63 - 131
Benzene	0.0200	0.0211		mg/Kg		106	80 - 123
Bromoform	0.0200	0.0149		mg/Kg		74	48 - 142
Bromomethane	0.0200	0.0632	*	mg/Kg		316	46 - 150
Carbon disulfide	0.0200	0.0234		mg/Kg		117	67 - 136
Carbon tetrachloride	0.0200	0.0208		mg/Kg		104	72 - 136
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Chlorobromomethane	0.0200	0.0201		mg/Kg		100	76 - 127
Chlorodibromomethane	0.0200	0.0169		mg/Kg		84	62 - 128
Chloroethane	0.0200	0.0191		mg/Kg		95	49 - 150
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126
Chloromethane	0.0200	0.0213		mg/Kg		107	48 - 150

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

Lab Sample ID: LCS 460-776838/3
Matrix: Solid
Analysis Batch: 776838

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0213		mg/Kg		106	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0190		mg/Kg		95	72 - 120		
Cyclohexane			0.0200	0.0208		mg/Kg		104	80 - 132		
Dichlorobromomethane			0.0200	0.0182		mg/Kg		91	73 - 124		
Dichlorodifluoromethane			0.0200	0.0250		mg/Kg		125	40 - 146		
Ethylbenzene			0.0200	0.0186		mg/Kg		93	80 - 120		
Ethylene Dibromide			0.0200	0.0177		mg/Kg		88	79 - 120		
Isopropylbenzene			0.0200	0.0197		mg/Kg		99	80 - 120		
Methyl acetate			0.0400	0.0394		mg/Kg		98	58 - 143		
Methyl tert-butyl ether			0.0200	0.0210		mg/Kg		105	80 - 125		
Methylcyclohexane			0.0200	0.0194		mg/Kg		97	79 - 133		
Methylene Chloride			0.0200	0.0223		mg/Kg		112	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120		
o-Xylene			0.0200	0.0182		mg/Kg		91	80 - 120		
Styrene			0.0200	0.0182		mg/Kg		91	80 - 120		
Tetrachloroethene			0.0200	0.0194		mg/Kg		97	78 - 123		
Toluene			0.0200	0.0202		mg/Kg		101	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0239		mg/Kg		120	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		89	68 - 120		
Trichloroethene			0.0200	0.0195		mg/Kg		98	79 - 120		
Trichlorofluoromethane			0.0200	0.0221		mg/Kg		111	67 - 142		
Vinyl chloride			0.0200	0.0266		mg/Kg		133	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*
4-Bromofluorobenzene	*89*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-776838/4
Matrix: Solid
Analysis Batch: 776838

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0221		mg/Kg		110	78 - 132	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0180		mg/Kg		90	69 - 123	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0261		mg/Kg		130	78 - 136	3	30
1,1,2-Trichloroethane			0.0200	0.0184		mg/Kg		92	75 - 120	2	30
1,1-Dichloroethane			0.0200	0.0220		mg/Kg		110	76 - 129	1	30
1,1-Dichloroethene			0.0200	0.0267	*	mg/Kg		134	77 - 132	3	30
1,2,3-Trichlorobenzene			0.0200	0.0178		mg/Kg		89	65 - 144	0	30
1,2,4-Trichlorobenzene			0.0200	0.0182		mg/Kg		91	75 - 120	0	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0150		mg/Kg		75	60 - 126	1	30
1,2-Dichlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0199		mg/Kg		100	70 - 132	3	30
1,2-Dichloropropane			0.0200	0.0178		mg/Kg		89	73 - 124	1	30
1,3-Dichlorobenzene			0.0200	0.0192		mg/Kg		96	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0193		mg/Kg		96	80 - 120	2	30

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

Lab Sample ID: LCSD 460-776838/4
Matrix: Solid
Analysis Batch: 776838

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			0.100	0.0866		mg/Kg		87	75 - 120	1	30
2-Hexanone			0.100	0.0771	*	mg/Kg		77	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0822		mg/Kg		82	80 - 122	2	30
Acetone			0.100	0.0947		mg/Kg		95	63 - 131	1	30
Benzene			0.0200	0.0214		mg/Kg		107	80 - 123	1	30
Bromoform			0.0200	0.0145		mg/Kg		72	48 - 142	2	30
Bromomethane			0.0200	0.0663	*	mg/Kg		331	46 - 150	5	30
Carbon disulfide			0.0200	0.0245		mg/Kg		123	67 - 136	5	30
Carbon tetrachloride			0.0200	0.0209		mg/Kg		104	72 - 136	0	30
Chlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	1	30
Chlorobromomethane			0.0200	0.0201		mg/Kg		100	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0174		mg/Kg		87	62 - 128	3	30
Chloroethane			0.0200	0.0199		mg/Kg		100	49 - 150	4	30
Chloroform			0.0200	0.0219		mg/Kg		109	79 - 126	3	30
Chloromethane			0.0200	0.0224		mg/Kg		112	48 - 150	5	30
cis-1,2-Dichloroethene			0.0200	0.0221		mg/Kg		110	80 - 123	4	30
cis-1,3-Dichloropropene			0.0200	0.0188		mg/Kg		94	72 - 120	1	30
Cyclohexane			0.0200	0.0210		mg/Kg		105	80 - 132	1	30
Dichlorobromomethane			0.0200	0.0185		mg/Kg		92	73 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0259		mg/Kg		129	40 - 146	3	30
Ethylbenzene			0.0200	0.0185		mg/Kg		92	80 - 120	1	30
Ethylene Dibromide			0.0200	0.0184		mg/Kg		92	79 - 120	4	30
Isopropylbenzene			0.0200	0.0195		mg/Kg		98	80 - 120	1	30
Methyl acetate			0.0400	0.0398		mg/Kg		100	58 - 143	1	30
Methyl tert-butyl ether			0.0200	0.0210		mg/Kg		105	80 - 125	0	30
Methylcyclohexane			0.0200	0.0196		mg/Kg		98	79 - 133	1	30
Methylene Chloride			0.0200	0.0230		mg/Kg		115	76 - 127	3	30
m-Xylene & p-Xylene			0.0200	0.0187		mg/Kg		94	80 - 120	1	30
o-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120	2	30
Styrene			0.0200	0.0189		mg/Kg		95	80 - 120	4	30
Tetrachloroethene			0.0200	0.0202		mg/Kg		101	78 - 123	4	30
Toluene			0.0200	0.0204		mg/Kg		102	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0240		mg/Kg		120	78 - 128	0	30
trans-1,3-Dichloropropene			0.0200	0.0181		mg/Kg		91	68 - 120	2	30
Trichloroethene			0.0200	0.0198		mg/Kg		99	79 - 120	2	30
Trichlorofluoromethane			0.0200	0.0232		mg/Kg		116	67 - 142	5	30
Vinyl chloride			0.0200	0.0277		mg/Kg		138	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*108*		*48 - 150*
Toluene-d8 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: MB 460-776842/7
Matrix: Solid
Analysis Batch: 776842

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 06:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 06:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 06:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/10/21 06:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 06:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/10/21 06:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/10/21 06:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/10/21 06:45	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/10/21 06:45	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/10/21 06:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/10/21 06:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 06:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/10/21 06:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/10/21 06:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/10/21 06:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 06:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 06:45	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/10/21 06:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/10/21 06:45	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/10/21 06:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 06:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/10/21 06:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 06:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/10/21 06:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/10/21 06:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 06:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/10/21 06:45	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/10/21 06:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/10/21 06:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/10/21 06:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/10/21 06:45	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/10/21 06:45	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 06:45	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 06:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/10/21 06:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 06:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/10/21 06:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 06:45	1

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

Lab Sample ID: MB 460-776842/7
Matrix: Solid
Analysis Batch: 776842

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/10/21 06:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/10/21 06:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/10/21 06:45	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/10/21 06:45*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*		*05/10/21 06:45*	*1*
4-Bromofluorobenzene	*109*		*70 - 139*		*05/10/21 06:45*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*		*05/10/21 06:45*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/10/21 06:45*	*1*

Lab Sample ID: LCS 460-776842/3
Matrix: Solid
Analysis Batch: 776842

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0208		mg/Kg		104	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0198		mg/Kg		99	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0248		mg/Kg		124	78 - 136
1,1,2-Trichloroethane	0.0200	0.0199		mg/Kg		100	75 - 120
1,1-Dichloroethane	0.0200	0.0215		mg/Kg		108	76 - 129
1,1-Dichloroethene	0.0200	0.0212		mg/Kg		106	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0203		mg/Kg		101	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0148		mg/Kg		74	60 - 126
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
1,2-Dichloroethane	0.0200	0.0184		mg/Kg		92	70 - 132
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	73 - 124
1,3-Dichlorobenzene	0.0200	0.0220		mg/Kg		110	80 - 120
1,4-Dichlorobenzene	0.0200	0.0211		mg/Kg		105	80 - 120
2-Butanone (MEK)	0.100	0.122	*	mg/Kg		122	75 - 120
2-Hexanone	0.100	0.104		mg/Kg		104	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0998		mg/Kg		100	80 - 122
Acetone	0.100	0.0868		mg/Kg		87	63 - 131
Benzene	0.0200	0.0199		mg/Kg		100	80 - 123
Bromoform	0.0200	0.0130		mg/Kg		65	48 - 142
Bromomethane	0.0200	0.0187		mg/Kg		93	46 - 150
Carbon disulfide	0.0200	0.0219		mg/Kg		110	67 - 136
Carbon tetrachloride	0.0200	0.0180		mg/Kg		90	72 - 136
Chlorobenzene	0.0200	0.0209		mg/Kg		104	80 - 120
Chlorobromomethane	0.0200	0.0196		mg/Kg		98	76 - 127
Chlorodibromomethane	0.0200	0.0149		mg/Kg		75	62 - 128
Chloroethane	0.0200	0.0190		mg/Kg		95	49 - 150
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126
Chloromethane	0.0200	0.0184		mg/Kg		92	48 - 150

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

Lab Sample ID: LCS 460-776842/3
Matrix: Solid
Analysis Batch: 776842

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0212		mg/Kg		106	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0182		mg/Kg		91	72 - 120		
Cyclohexane			0.0200	0.0228		mg/Kg		114	80 - 132		
Dichlorobromomethane			0.0200	0.0179		mg/Kg		90	73 - 124		
Dichlorodifluoromethane			0.0200	0.0212		mg/Kg		106	40 - 146		
Ethylbenzene			0.0200	0.0206		mg/Kg		103	80 - 120		
Ethylene Dibromide			0.0200	0.0199		mg/Kg		99	79 - 120		
Isopropylbenzene			0.0200	0.0203		mg/Kg		101	80 - 120		
Methyl acetate			0.0400	0.0403		mg/Kg		101	58 - 143		
Methyl tert-butyl ether			0.0200	0.0209		mg/Kg		104	80 - 125		
Methylcyclohexane			0.0200	0.0223		mg/Kg		112	79 - 133		
Methylene Chloride			0.0200	0.0207		mg/Kg		104	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0210		mg/Kg		105	80 - 120		
o-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120		
Styrene			0.0200	0.0201		mg/Kg		101	80 - 120		
Tetrachloroethene			0.0200	0.0207		mg/Kg		104	78 - 123		
Toluene			0.0200	0.0206		mg/Kg		103	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0217		mg/Kg		109	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		90	68 - 120		
Trichloroethene			0.0200	0.0217		mg/Kg		109	79 - 120		
Trichlorofluoromethane			0.0200	0.0204		mg/Kg		102	67 - 142		
Vinyl chloride			0.0200	0.0199		mg/Kg		99	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-776842/4
Matrix: Solid
Analysis Batch: 776842

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0193		mg/Kg		96	78 - 132	8	30
1,1,2,2-Tetrachloroethane			0.0200	0.0187		mg/Kg		94	69 - 123	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0232		mg/Kg		116	78 - 136	7	30
1,1,2-Trichloroethane			0.0200	0.0190		mg/Kg		95	75 - 120	5	30
1,1-Dichloroethane			0.0200	0.0197		mg/Kg		99	76 - 129	9	30
1,1-Dichloroethene			0.0200	0.0189		mg/Kg		94	77 - 132	12	30
1,2,3-Trichlorobenzene			0.0200	0.0196		mg/Kg		98	65 - 144	4	30
1,2,4-Trichlorobenzene			0.0200	0.0202		mg/Kg		101	75 - 120	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0145		mg/Kg		73	60 - 126	2	30
1,2-Dichlorobenzene			0.0200	0.0193		mg/Kg		97	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0177		mg/Kg		89	70 - 132	4	30
1,2-Dichloropropane			0.0200	0.0192		mg/Kg		96	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	8	30
1,4-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	8	30

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

Lab Sample ID: LCSD 460-776842/4
Matrix: Solid
Analysis Batch: 776842

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			0.100	0.114		mg/Kg		114	75 - 120	7	30
2-Hexanone			0.100	0.0989		mg/Kg		99	78 - 120	5	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0933		mg/Kg		93	80 - 122	7	30
Acetone			0.100	0.0856		mg/Kg		86	63 - 131	1	30
Benzene			0.0200	0.0184		mg/Kg		92	80 - 123	8	30
Bromoform			0.0200	0.0123		mg/Kg		62	48 - 142	6	30
Bromomethane			0.0200	0.0185		mg/Kg		92	46 - 150	1	30
Carbon disulfide			0.0200	0.0203		mg/Kg		101	67 - 136	8	30
Carbon tetrachloride			0.0200	0.0164		mg/Kg		82	72 - 136	9	30
Chlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	6	30
Chlorobromomethane			0.0200	0.0187		mg/Kg		93	76 - 127	5	30
Chlorodibromomethane			0.0200	0.0143		mg/Kg		71	62 - 128	5	30
Chloroethane			0.0200	0.0185		mg/Kg		93	49 - 150	3	30
Chloroform			0.0200	0.0194		mg/Kg		97	79 - 126	9	30
Chloromethane			0.0200	0.0182		mg/Kg		91	48 - 150	1	30
cis-1,2-Dichloroethene			0.0200	0.0200		mg/Kg		100	80 - 123	6	30
cis-1,3-Dichloropropene			0.0200	0.0171		mg/Kg		86	72 - 120	6	30
Cyclohexane			0.0200	0.0210		mg/Kg		105	80 - 132	8	30
Dichlorobromomethane			0.0200	0.0170		mg/Kg		85	73 - 124	6	30
Dichlorodifluoromethane			0.0200	0.0194		mg/Kg		97	40 - 146	9	30
Ethylbenzene			0.0200	0.0190		mg/Kg		95	80 - 120	8	30
Ethylene Dibromide			0.0200	0.0190		mg/Kg		95	79 - 120	5	30
Isopropylbenzene			0.0200	0.0189		mg/Kg		95	80 - 120	7	30
Methyl acetate			0.0400	0.0388		mg/Kg		97	58 - 143	4	30
Methyl tert-butyl ether			0.0200	0.0200		mg/Kg		100	80 - 125	4	30
Methylcyclohexane			0.0200	0.0208		mg/Kg		104	79 - 133	7	30
Methylene Chloride			0.0200	0.0189		mg/Kg		94	76 - 127	9	30
m-Xylene & p-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120	7	30
o-Xylene			0.0200	0.0188		mg/Kg		94	80 - 120	5	30
Styrene			0.0200	0.0189		mg/Kg		94	80 - 120	6	30
Tetrachloroethene			0.0200	0.0189		mg/Kg		94	78 - 123	9	30
Toluene			0.0200	0.0187		mg/Kg		93	80 - 120	10	30
trans-1,2-Dichloroethene			0.0200	0.0193		mg/Kg		96	78 - 128	12	30
trans-1,3-Dichloropropene			0.0200	0.0171		mg/Kg		86	68 - 120	5	30
Trichloroethene			0.0200	0.0198		mg/Kg		99	79 - 120	9	30
Trichlorofluoromethane			0.0200	0.0182		mg/Kg		91	67 - 142	12	30
Vinyl chloride			0.0200	0.0204		mg/Kg		102	56 - 147	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
4-Bromofluorobenzene	*98*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 460-776972/8
Matrix: Solid
Analysis Batch: 776972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 18:40	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 18:40	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 18:40	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 18:40	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 18:40	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 18:40	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 18:40	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/10/21 18:40	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 18:40	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 18:40	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/10/21 18:40	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/10/21 18:40	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 18:40	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/10/21 18:40	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/10/21 18:40	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/10/21 18:40	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/10/21 18:40	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 18:40	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/10/21 18:40	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/10/21 18:40	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 18:40	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/10/21 18:40	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 18:40	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 18:40	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 18:40	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/10/21 18:40	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/10/21 18:40	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/10/21 18:40	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 18:40	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 18:40	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/10/21 18:40	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 18:40	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/10/21 18:40	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/10/21 18:40	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 18:40	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/10/21 18:40	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/10/21 18:40	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/10/21 18:40	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/10/21 18:40	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/10/21 18:40	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/10/21 18:40	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 18:40	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 18:40	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/10/21 18:40	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 18:40	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/10/21 18:40	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 18:40	1

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

Lab Sample ID: MB 460-776972/8
Matrix: Solid
Analysis Batch: 776972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/10/21 18:40	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/10/21 18:40	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/10/21 18:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/10/21 18:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*		*05/10/21 18:40*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*		*05/10/21 18:40*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*		*05/10/21 18:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/10/21 18:40*	*1*

Lab Sample ID: LCS 460-776972/4
Matrix: Solid
Analysis Batch: 776972

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0182		mg/Kg		91	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0191		mg/Kg		96	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0210		mg/Kg		105	78 - 136
1,1,2-Trichloroethane	0.0200	0.0191		mg/Kg		95	75 - 120
1,1-Dichloroethane	0.0200	0.0188		mg/Kg		94	76 - 129
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0143		mg/Kg		71	60 - 126
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0173		mg/Kg		86	70 - 132
1,2-Dichloropropane	0.0200	0.0184		mg/Kg		92	73 - 124
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120
1,4-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
2-Butanone (MEK)	0.100	0.114		mg/Kg		114	75 - 120
2-Hexanone	0.100	0.0997		mg/Kg		100	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0940		mg/Kg		94	80 - 122
Acetone	0.100	0.0827		mg/Kg		83	63 - 131
Benzene	0.0200	0.0181		mg/Kg		90	80 - 123
Bromoform	0.0200	0.0117		mg/Kg		59	48 - 142
Bromomethane	0.0200	0.0156		mg/Kg		78	46 - 150
Carbon disulfide	0.0200	0.0177		mg/Kg		88	67 - 136
Carbon tetrachloride	0.0200	0.0153		mg/Kg		76	72 - 136
Chlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Chlorobromomethane	0.0200	0.0183		mg/Kg		91	76 - 127
Chlorodibromomethane	0.0200	0.0139		mg/Kg		69	62 - 128
Chloroethane	0.0200	0.0155		mg/Kg		77	49 - 150
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126
Chloromethane	0.0200	0.0161		mg/Kg		81	48 - 150

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

Lab Sample ID: LCS 460-776972/4
Matrix: Solid
Analysis Batch: 776972

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0195		mg/Kg		97	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0171		mg/Kg		86	72 - 120		
Cyclohexane			0.0200	0.0195		mg/Kg		98	80 - 132		
Dichlorobromomethane			0.0200	0.0164		mg/Kg		82	73 - 124		
Dichlorodifluoromethane			0.0200	0.0169		mg/Kg		84	40 - 146		
Ethylbenzene			0.0200	0.0190		mg/Kg		95	80 - 120		
Ethylene Dibromide			0.0200	0.0199		mg/Kg		99	79 - 120		
Isopropylbenzene			0.0200	0.0183		mg/Kg		92	80 - 120		
Methyl acetate			0.0400	0.0398		mg/Kg		100	58 - 143		
Methyl tert-butyl ether			0.0200	0.0196		mg/Kg		98	80 - 125		
Methylcyclohexane			0.0200	0.0189		mg/Kg		95	79 - 133		
Methylene Chloride			0.0200	0.0180		mg/Kg		90	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0195		mg/Kg		98	80 - 120		
o-Xylene			0.0200	0.0184		mg/Kg		92	80 - 120		
Styrene			0.0200	0.0186		mg/Kg		93	80 - 120		
Tetrachloroethene			0.0200	0.0191		mg/Kg		95	78 - 123		
Toluene			0.0200	0.0189		mg/Kg		95	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0188		mg/Kg		94	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0171		mg/Kg		85	68 - 120		
Trichloroethene			0.0200	0.0200		mg/Kg		100	79 - 120		
Trichlorofluoromethane			0.0200	0.0157		mg/Kg		78	67 - 142		
Vinyl chloride			0.0200	0.0169		mg/Kg		85	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-776972/5
Matrix: Solid
Analysis Batch: 776972

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0192		mg/Kg		96	78 - 132	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0185		mg/Kg		92	69 - 123	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0224		mg/Kg		112	78 - 136	7	30
1,1,2-Trichloroethane			0.0200	0.0186		mg/Kg		93	75 - 120	2	30
1,1-Dichloroethane			0.0200	0.0195		mg/Kg		98	76 - 129	4	30
1,1-Dichloroethene			0.0200	0.0189		mg/Kg		94	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0191		mg/Kg		95	65 - 144	1	30
1,2,4-Trichlorobenzene			0.0200	0.0202		mg/Kg		101	75 - 120	6	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0136		mg/Kg		68	60 - 126	5	30
1,2-Dichlorobenzene			0.0200	0.0195		mg/Kg		98	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0167		mg/Kg		84	70 - 132	3	30
1,2-Dichloropropane			0.0200	0.0183		mg/Kg		92	73 - 124	0	30
1,3-Dichlorobenzene			0.0200	0.0206		mg/Kg		103	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0195		mg/Kg		97	80 - 120	1	30

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

Lab Sample ID: LCSD 460-776972/5
Matrix: Solid
Analysis Batch: 776972

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			0.100	0.114		mg/Kg		114	75 - 120	0	30
2-Hexanone			0.100	0.0975		mg/Kg		98	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0928		mg/Kg		93	80 - 122	1	30
Acetone			0.100	0.0834		mg/Kg		83	63 - 131	1	30
Benzene			0.0200	0.0181		mg/Kg		90	80 - 123	0	30
Bromoform			0.0200	0.0118		mg/Kg		59	48 - 142	1	30
Bromomethane			0.0200	0.0162		mg/Kg		81	46 - 150	4	30
Carbon disulfide			0.0200	0.0192		mg/Kg		96	67 - 136	8	30
Carbon tetrachloride			0.0200	0.0161		mg/Kg		80	72 - 136	5	30
Chlorobenzene			0.0200	0.0195		mg/Kg		97	80 - 120	1	30
Chlorobromomethane			0.0200	0.0181		mg/Kg		91	76 - 127	1	30
Chlorodibromomethane			0.0200	0.0138		mg/Kg		69	62 - 128	0	30
Chloroethane			0.0200	0.0166		mg/Kg		83	49 - 150	7	30
Chloroform			0.0200	0.0193		mg/Kg		96	79 - 126	2	30
Chloromethane			0.0200	0.0164		mg/Kg		82	48 - 150	2	30
cis-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0167		mg/Kg		84	72 - 120	2	30
Cyclohexane			0.0200	0.0206		mg/Kg		103	80 - 132	6	30
Dichlorobromomethane			0.0200	0.0159		mg/Kg		80	73 - 124	3	30
Dichlorodifluoromethane			0.0200	0.0170		mg/Kg		85	40 - 146	1	30
Ethylbenzene			0.0200	0.0194		mg/Kg		97	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0187		mg/Kg		94	79 - 120	6	30
Isopropylbenzene			0.0200	0.0186		mg/Kg		93	80 - 120	1	30
Methyl acetate			0.0400	0.0365		mg/Kg		91	58 - 143	9	30
Methyl tert-butyl ether			0.0200	0.0189		mg/Kg		94	80 - 125	4	30
Methylcyclohexane			0.0200	0.0197		mg/Kg		98	79 - 133	4	30
Methylene Chloride			0.0200	0.0189		mg/Kg		95	76 - 127	5	30
m-Xylene & p-Xylene			0.0200	0.0192		mg/Kg		96	80 - 120	2	30
o-Xylene			0.0200	0.0189		mg/Kg		94	80 - 120	2	30
Styrene			0.0200	0.0186		mg/Kg		93	80 - 120	0	30
Tetrachloroethene			0.0200	0.0193		mg/Kg		97	78 - 123	1	30
Toluene			0.0200	0.0190		mg/Kg		95	80 - 120	0	30
trans-1,2-Dichloroethene			0.0200	0.0198		mg/Kg		99	78 - 128	5	30
trans-1,3-Dichloropropene			0.0200	0.0165		mg/Kg		83	68 - 120	3	30
Trichloroethene			0.0200	0.0201		mg/Kg		101	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0155		mg/Kg		78	67 - 142	1	30
Vinyl chloride			0.0200	0.0177		mg/Kg		89	56 - 147	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
4-Bromofluorobenzene	*99*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 460-777038/7
Matrix: Solid
Analysis Batch: 777038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 20:48	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 20:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 20:48	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 20:48	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/10/21 20:48	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 20:48	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 20:48	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 20:48	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/10/21 20:48	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 20:48	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/10/21 20:48	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/10/21 20:48	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/10/21 20:48	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 20:48	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/10/21 20:48	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/10/21 20:48	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/10/21 20:48	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/10/21 20:48	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 20:48	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/10/21 20:48	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/10/21 20:48	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 20:48	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/10/21 20:48	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 20:48	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 20:48	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 20:48	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/10/21 20:48	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/10/21 20:48	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/10/21 20:48	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/10/21 20:48	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 20:48	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/10/21 20:48	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/10/21 20:48	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/10/21 20:48	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/10/21 20:48	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/10/21 20:48	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/10/21 20:48	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/10/21 20:48	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/10/21 20:48	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/10/21 20:48	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/10/21 20:48	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/10/21 20:48	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/10/21 20:48	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/10/21 20:48	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/10/21 20:48	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/10/21 20:48	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/10/21 20:48	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/10/21 20:48	1

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

Lab Sample ID: MB 460-777038/7
Matrix: Solid
Analysis Batch: 777038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/10/21 20:48	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/10/21 20:48	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/10/21 20:48	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/10/21 20:48*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*		*05/10/21 20:48*	*1*
4-Bromofluorobenzene	*90*		*70 - 139*		*05/10/21 20:48*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*05/10/21 20:48*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/10/21 20:48*	*1*

Lab Sample ID: LCS 460-777038/4
Matrix: Solid
Analysis Batch: 777038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0200		mg/Kg		100	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0167		mg/Kg		83	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0239		mg/Kg		120	78 - 136
1,1,2-Trichloroethane	0.0200	0.0171		mg/Kg		85	75 - 120
1,1-Dichloroethane	0.0200	0.0204		mg/Kg		102	76 - 129
1,1-Dichloroethene	0.0200	0.0243		mg/Kg		121	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0160		mg/Kg		80	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0157		mg/Kg		79	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0145		mg/Kg		72	60 - 126
1,2-Dichlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
1,2-Dichloroethane	0.0200	0.0182		mg/Kg		91	70 - 132
1,2-Dichloropropane	0.0200	0.0161		mg/Kg		80	73 - 124
1,3-Dichlorobenzene	0.0200	0.0166		mg/Kg		83	80 - 120
1,4-Dichlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
2-Butanone (MEK)	0.100	0.0844		mg/Kg		84	75 - 120
2-Hexanone	0.100	0.0719	*	mg/Kg		72	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0762	*	mg/Kg		76	80 - 122
Acetone	0.100	0.0944		mg/Kg		94	63 - 131
Benzene	0.0200	0.0196		mg/Kg		98	80 - 123
Bromoform	0.0200	0.0140		mg/Kg		70	48 - 142
Bromomethane	0.0200	0.0424	*	mg/Kg		212	46 - 150
Carbon disulfide	0.0200	0.0219		mg/Kg		110	67 - 136
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	72 - 136
Chlorobenzene	0.0200	0.0166		mg/Kg		83	80 - 120
Chlorobromomethane	0.0200	0.0188		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0159		mg/Kg		80	62 - 128
Chloroethane	0.0200	0.0127		mg/Kg		64	49 - 150
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126
Chloromethane	0.0200	0.0143		mg/Kg		72	48 - 150

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

Lab Sample ID: LCS 460-777038/4
Matrix: Solid
Analysis Batch: 777038

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0197		mg/Kg		99	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0174		mg/Kg		87	72 - 120		
Cyclohexane			0.0200	0.0183		mg/Kg		91	80 - 132		
Dichlorobromomethane			0.0200	0.0166		mg/Kg		83	73 - 124		
Dichlorodifluoromethane			0.0200	0.0175		mg/Kg		88	40 - 146		
Ethylbenzene			0.0200	0.0166		mg/Kg		83	80 - 120		
Ethylene Dibromide			0.0200	0.0170		mg/Kg		85	79 - 120		
Isopropylbenzene			0.0200	0.0170		mg/Kg		85	80 - 120		
Methyl acetate			0.0400	0.0422		mg/Kg		105	58 - 143		
Methyl tert-butyl ether			0.0200	0.0206		mg/Kg		103	80 - 125		
Methylcyclohexane			0.0200	0.0161		mg/Kg		81	79 - 133		
Methylene Chloride			0.0200	0.0217		mg/Kg		108	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0162		mg/Kg		81	80 - 120		
o-Xylene			0.0200	0.0165		mg/Kg		83	80 - 120		
Styrene			0.0200	0.0167		mg/Kg		84	80 - 120		
Tetrachloroethene			0.0200	0.0170		mg/Kg		85	78 - 123		
Toluene			0.0200	0.0181		mg/Kg		90	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0220		mg/Kg		110	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0166		mg/Kg		83	68 - 120		
Trichloroethene			0.0200	0.0177		mg/Kg		89	79 - 120		
Trichlorofluoromethane			0.0200	0.0143		mg/Kg		71	67 - 142		
Vinyl chloride			0.0200	0.0170		mg/Kg		85	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*90*		*70 - 139*
Dibromofluoromethane (Surr)	*101*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-777038/5
Matrix: Solid
Analysis Batch: 777038

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0192		mg/Kg		96	78 - 132	4	30
1,1,2,2-Tetrachloroethane			0.0200	0.0162		mg/Kg		81	69 - 123	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0227		mg/Kg		113	78 - 136	5	30
1,1,2-Trichloroethane			0.0200	0.0167		mg/Kg		84	75 - 120	2	30
1,1-Dichloroethane			0.0200	0.0196		mg/Kg		98	76 - 129	4	30
1,1-Dichloroethene			0.0200	0.0227		mg/Kg		114	77 - 132	7	30
1,2,3-Trichlorobenzene			0.0200	0.0161		mg/Kg		80	65 - 144	0	30
1,2,4-Trichlorobenzene			0.0200	0.0158		mg/Kg		79	75 - 120	1	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0148		mg/Kg		74	60 - 126	3	30
1,2-Dichlorobenzene			0.0200	0.0168		mg/Kg		84	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0179		mg/Kg		89	70 - 132	2	30
1,2-Dichloropropane			0.0200	0.0158		mg/Kg		79	73 - 124	2	30
1,3-Dichlorobenzene			0.0200	0.0167		mg/Kg		83	80 - 120	0	30
1,4-Dichlorobenzene			0.0200	0.0166		mg/Kg		83	80 - 120	2	30

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

Lab Sample ID: LCSD 460-777038/5
Matrix: Solid
Analysis Batch: 777038

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	0.100	0.0747		mg/Kg		75	75 - 120	12	30
2-Hexanone	0.100	0.0668	*	mg/Kg		67	78 - 120	7	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0705	*	mg/Kg		71	80 - 122	8	30
Acetone	0.100	0.0864		mg/Kg		86	63 - 131	9	30
Benzene	0.0200	0.0193		mg/Kg		97	80 - 123	1	30
Bromoform	0.0200	0.0136		mg/Kg		68	48 - 142	3	30
Bromomethane	0.0200	0.0401	*	mg/Kg		201	46 - 150	6	30
Carbon disulfide	0.0200	0.0209		mg/Kg		105	67 - 136	5	30
Carbon tetrachloride	0.0200	0.0184		mg/Kg		92	72 - 136	1	30
Chlorobenzene	0.0200	0.0161		mg/Kg		81	80 - 120	3	30
Chlorobromomethane	0.0200	0.0181		mg/Kg		90	76 - 127	4	30
Chlorodibromomethane	0.0200	0.0159		mg/Kg		80	62 - 128	0	30
Chloroethane	0.0200	0.0126		mg/Kg		63	49 - 150	1	30
Chloroform	0.0200	0.0193		mg/Kg		97	79 - 126	3	30
Chloromethane	0.0200	0.0137		mg/Kg		68	48 - 150	4	30
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		83	72 - 120	5	30
Cyclohexane	0.0200	0.0181		mg/Kg		90	80 - 132	1	30
Dichlorobromomethane	0.0200	0.0163		mg/Kg		81	73 - 124	2	30
Dichlorodifluoromethane	0.0200	0.0167		mg/Kg		83	40 - 146	5	30
Ethylbenzene	0.0200	0.0164		mg/Kg		82	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0167		mg/Kg		83	79 - 120	2	30
Isopropylbenzene	0.0200	0.0172		mg/Kg		86	80 - 120	1	30
Methyl acetate	0.0400	0.0406		mg/Kg		102	58 - 143	4	30
Methyl tert-butyl ether	0.0200	0.0201		mg/Kg		100	80 - 125	3	30
Methylcyclohexane	0.0200	0.0172		mg/Kg		86	79 - 133	6	30
Methylene Chloride	0.0200	0.0205		mg/Kg		102	76 - 127	6	30
m-Xylene & p-Xylene	0.0200	0.0164		mg/Kg		82	80 - 120	1	30
o-Xylene	0.0200	0.0160		mg/Kg		80	80 - 120	3	30
Styrene	0.0200	0.0164		mg/Kg		82	80 - 120	2	30
Tetrachloroethene	0.0200	0.0173		mg/Kg		87	78 - 123	2	30
Toluene	0.0200	0.0179		mg/Kg		90	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	78 - 128	3	30
trans-1,3-Dichloropropene	0.0200	0.0166		mg/Kg		83	68 - 120	0	30
Trichloroethene	0.0200	0.0173		mg/Kg		87	79 - 120	2	30
Trichlorofluoromethane	0.0200	0.0140		mg/Kg		70	67 - 142	2	30
Vinyl chloride	0.0200	0.0163		mg/Kg		81	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*88*		*70 - 139*
Dibromofluoromethane (Surr)	*99*		*48 - 150*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: MB 460-777370/9
Matrix: Solid
Analysis Batch: 777370

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/12/21 09:44	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/12/21 09:44	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/12/21 09:44	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/12/21 09:44	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/12/21 09:44	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/12/21 09:44	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/12/21 09:44	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/12/21 09:44	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/12/21 09:44	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/12/21 09:44	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/12/21 09:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 123*		*05/12/21 09:44*	*1*
4-Bromofluorobenzene	*82*		*76 - 120*		*05/12/21 09:44*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*05/12/21 09:44*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/12/21 09:44*	*1*

Lab Sample ID: LCS 460-777370/4
Matrix: Solid
Analysis Batch: 777370

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0189		mg/L		95	68 - 133
1,2-Dichloroethane	0.0200	0.0187		mg/L		93	75 - 121
1,4-Dichlorobenzene	0.0200	0.0186		mg/L		93	80 - 118
2-Butanone (MEK)	0.100	0.0934		mg/L		93	69 - 128
Benzene	0.0200	0.0196		mg/L		98	78 - 126
Carbon tetrachloride	0.0200	0.0183		mg/L		91	56 - 131
Chlorobenzene	0.0200	0.0190		mg/L		95	80 - 119
Chloroform	0.0200	0.0194		mg/L		97	78 - 125
Tetrachloroethene	0.0200	0.0177		mg/L		89	70 - 127
Trichloroethene	0.0200	0.0187		mg/L		93	71 - 121
Vinyl chloride	0.0200	0.0219		mg/L		110	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*85*		*76 - 120*
Dibromofluoromethane (Surr)	*93*		*77 - 124*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: LCSD 460-777370/5
Matrix: Solid
Analysis Batch: 777370

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0196		mg/L		98	68 - 133	3	30
1,2-Dichloroethane	0.0200	0.0194		mg/L		97	75 - 121	4	30

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

Lab Sample ID: LCSD 460-777370/5
Matrix: Solid
Analysis Batch: 777370

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0200	0.0192		mg/L		96	80 - 118	3	30
2-Butanone (MEK)			0.100	0.0912		mg/L		91	69 - 128	2	30
Benzene			0.0200	0.0206		mg/L		103	78 - 126	5	30
Carbon tetrachloride			0.0200	0.0192		mg/L		96	56 - 131	5	30
Chlorobenzene			0.0200	0.0199		mg/L		99	80 - 119	4	30
Chloroform			0.0200	0.0203		mg/L		102	78 - 125	5	30
Tetrachloroethene			0.0200	0.0193		mg/L		97	70 - 127	9	30
Trichloroethene			0.0200	0.0195		mg/L		98	71 - 121	5	30
Vinyl chloride			0.0200	0.0226		mg/L		113	61 - 144	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*88*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 460-777408/7
Matrix: Solid
Analysis Batch: 777408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:30	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/12/21 10:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/12/21 10:30	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:30	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/12/21 10:30	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:30	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:30	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:30	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/12/21 10:30	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:30	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/12/21 10:30	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/12/21 10:30	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/12/21 10:30	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:30	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/12/21 10:30	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/12/21 10:30	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/12/21 10:30	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/12/21 10:30	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/12/21 10:30	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/12/21 10:30	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/12/21 10:30	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:30	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/12/21 10:30	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:30	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/12/21 10:30	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/12/21 10:30	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/12/21 10:30	1

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

Lab Sample ID: MB 460-777408/7
Matrix: Solid
Analysis Batch: 777408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/12/21 10:30	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/12/21 10:30	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:30	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:30	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/12/21 10:30	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/12/21 10:30	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/12/21 10:30	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/12/21 10:30	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:30	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/12/21 10:30	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/12/21 10:30	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/12/21 10:30	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/12/21 10:30	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/12/21 10:30	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/12/21 10:30	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/12/21 10:30	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/12/21 10:30	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/12/21 10:30	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:30	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/12/21 10:30	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:30	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/12/21 10:30	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/12/21 10:30	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/12/21 10:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/12/21 10:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*		*05/12/21 10:30*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*		*05/12/21 10:30*	*1*
Dibromofluoromethane (Surr)	*98*		*48 - 150*		*05/12/21 10:30*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/12/21 10:30*	*1*

Lab Sample ID: LCS 460-777408/3
Matrix: Solid
Analysis Batch: 777408

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0190		mg/Kg		95	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0187		mg/Kg		94	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0176		mg/Kg		88	78 - 136
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		93	75 - 120
1,1-Dichloroethane	0.0200	0.0194		mg/Kg		97	76 - 129
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	75 - 120

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

Lab Sample ID: LCS 460-777408/3
Matrix: Solid
Analysis Batch: 777408

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0185		mg/Kg		93	60 - 126
1,2-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0186		mg/Kg		93	70 - 132
1,2-Dichloropropane	0.0200	0.0189		mg/Kg		95	73 - 124
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0889		mg/Kg		89	75 - 120
2-Hexanone	0.100	0.0951		mg/Kg		95	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0989		mg/Kg		99	80 - 122
Acetone	0.100	0.0872		mg/Kg		87	63 - 131
Benzene	0.0200	0.0192		mg/Kg		96	80 - 123
Bromoform	0.0200	0.0153		mg/Kg		77	48 - 142
Bromomethane	0.0200	0.0327	*	mg/Kg		164	46 - 150
Carbon disulfide	0.0200	0.0199		mg/Kg		100	67 - 136
Carbon tetrachloride	0.0200	0.0190		mg/Kg		95	72 - 136
Chlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
Chlorobromomethane	0.0200	0.0189		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0183		mg/Kg		91	62 - 128
Chloroethane	0.0200	0.0217		mg/Kg		108	49 - 150
Chloroform	0.0200	0.0192		mg/Kg		96	79 - 126
Chloromethane	0.0200	0.0222		mg/Kg		111	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0193		mg/Kg		97	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		99	72 - 120
Cyclohexane	0.0200	0.0171		mg/Kg		85	80 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		92	73 - 124
Dichlorodifluoromethane	0.0200	0.0212		mg/Kg		106	40 - 146
Ethylbenzene	0.0200	0.0182		mg/Kg		91	80 - 120
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120
Isopropylbenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Methyl acetate	0.0400	0.0370		mg/Kg		92	58 - 143
Methyl tert-butyl ether	0.0200	0.0187		mg/Kg		94	80 - 125
Methylcyclohexane	0.0200	0.0170		mg/Kg		85	79 - 133
Methylene Chloride	0.0200	0.0179		mg/Kg		90	76 - 127
m-Xylene & p-Xylene	0.0200	0.0185		mg/Kg		92	80 - 120
o-Xylene	0.0200	0.0185		mg/Kg		92	80 - 120
Styrene	0.0200	0.0189		mg/Kg		94	80 - 120
Tetrachloroethene	0.0200	0.0182		mg/Kg		91	78 - 123
Toluene	0.0200	0.0191		mg/Kg		95	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		95	68 - 120
Trichloroethene	0.0200	0.0184		mg/Kg		92	79 - 120
Trichlorofluoromethane	0.0200	0.0226		mg/Kg		113	67 - 142
Vinyl chloride	0.0200	0.0221		mg/Kg		111	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 145*
4-Bromofluorobenzene	*98*		*70 - 139*
Dibromofluoromethane (Surr)	*91*		*48 - 150*

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

Lab Sample ID: LCS 460-777408/3
Matrix: Solid
Analysis Batch: 777408

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-777408/4
Matrix: Solid
Analysis Batch: 777408

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0208		mg/Kg		104	78 - 132	9	30
1,1,2,2-Tetrachloroethane			0.0200	0.0188		mg/Kg		94	69 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0202		mg/Kg		101	78 - 136	14	30
1,1,2-Trichloroethane			0.0200	0.0187		mg/Kg		93	75 - 120	0	30
1,1-Dichloroethane			0.0200	0.0208		mg/Kg		104	76 - 129	7	30
1,1-Dichloroethene			0.0200	0.0219		mg/Kg		109	77 - 132	12	30
1,2,3-Trichlorobenzene			0.0200	0.0206		mg/Kg		103	65 - 144	4	30
1,2,4-Trichlorobenzene			0.0200	0.0210		mg/Kg		105	75 - 120	5	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0193		mg/Kg		96	60 - 126	4	30
1,2-Dichlorobenzene			0.0200	0.0192		mg/Kg		96	80 - 120	3	30
1,2-Dichloroethane			0.0200	0.0189		mg/Kg		95	70 - 132	2	30
1,2-Dichloropropane			0.0200	0.0191		mg/Kg		95	73 - 124	1	30
1,3-Dichlorobenzene			0.0200	0.0200		mg/Kg		100	80 - 120	5	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	5	30
2-Butanone (MEK)			0.100	0.0920		mg/Kg		92	75 - 120	3	30
2-Hexanone			0.100	0.0951		mg/Kg		95	78 - 120	0	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0975		mg/Kg		98	80 - 122	1	30
Acetone			0.100	0.0871		mg/Kg		87	63 - 131	0	30
Benzene			0.0200	0.0200		mg/Kg		100	80 - 123	4	30
Bromoform			0.0200	0.0154		mg/Kg		77	48 - 142	0	30
Bromomethane			0.0200	0.0408	*	mg/Kg		204	46 - 150	22	30
Carbon disulfide			0.0200	0.0220		mg/Kg		110	67 - 136	10	30
Carbon tetrachloride			0.0200	0.0210		mg/Kg		105	72 - 136	10	30
Chlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
Chlorobromomethane			0.0200	0.0202		mg/Kg		101	76 - 127	7	30
Chlorodibromomethane			0.0200	0.0183		mg/Kg		92	62 - 128	0	30
Chloroethane			0.0200	0.0262		mg/Kg		131	49 - 150	19	30
Chloroform			0.0200	0.0201		mg/Kg		100	79 - 126	5	30
Chloromethane			0.0200	0.0268		mg/Kg		134	48 - 150	19	30
cis-1,2-Dichloroethene			0.0200	0.0200		mg/Kg		100	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0198		mg/Kg		99	72 - 120	0	30
Cyclohexane			0.0200	0.0196		mg/Kg		98	80 - 132	14	30
Dichlorobromomethane			0.0200	0.0191		mg/Kg		95	73 - 124	3	30
Dichlorodifluoromethane			0.0200	0.0269		mg/Kg		135	40 - 146	24	30
Ethylbenzene			0.0200	0.0192		mg/Kg		96	80 - 120	5	30
Ethylene Dibromide			0.0200	0.0182		mg/Kg		91	79 - 120	2	30
Isopropylbenzene			0.0200	0.0205		mg/Kg		103	80 - 120	7	30
Methyl acetate			0.0400	0.0375		mg/Kg		94	58 - 143	1	30
Methyl tert-butyl ether			0.0200	0.0183		mg/Kg		92	80 - 125	2	30
Methylcyclohexane			0.0200	0.0191		mg/Kg		95	79 - 133	12	30
Methylene Chloride			0.0200	0.0191		mg/Kg		95	76 - 127	6	30

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

Lab Sample ID: LCSD 460-777408/4
Matrix: Solid
Analysis Batch: 777408

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120	6	30
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	4	30
Styrene	0.0200	0.0193		mg/Kg		96	80 - 120	2	30
Tetrachloroethene	0.0200	0.0202		mg/Kg		101	78 - 123	10	30
Toluene	0.0200	0.0201		mg/Kg		100	80 - 120	5	30
trans-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	78 - 128	8	30
trans-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		95	68 - 120	0	30
Trichloroethene	0.0200	0.0197		mg/Kg		99	79 - 120	7	30
Trichlorofluoromethane	0.0200	0.0284		mg/Kg		142	67 - 142	23	30
Vinyl chloride	0.0200	0.0276		mg/Kg		138	56 - 147	22	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
4-Bromofluorobenzene	*117*		*70 - 139*
Dibromofluoromethane (Surr)	*109*		*48 - 150*
Toluene-d8 (Surr)	*112*		*80 - 120*

Lab Sample ID: MB 460-779127/9
Matrix: Solid
Analysis Batch: 779127

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/20/21 12:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/20/21 12:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/20/21 12:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/20/21 12:05	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/20/21 12:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/20/21 12:05	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/20/21 12:05	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/20/21 12:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/20/21 12:05	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/20/21 12:05	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/20/21 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 123*		*05/20/21 12:05*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/20/21 12:05*	*1*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*05/20/21 12:05*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/20/21 12:05*	*1*

Lab Sample ID: LCS 460-779127/4
Matrix: Solid
Analysis Batch: 779127

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0190		mg/L		95	68 - 133
1,2-Dichloroethane	0.0200	0.0215		mg/L		108	75 - 121
1,4-Dichlorobenzene	0.0200	0.0201		mg/L		100	80 - 118

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

Lab Sample ID: LCS 460-779127/4
Matrix: Solid
Analysis Batch: 779127

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2-Butanone (MEK)			0.100	0.102		mg/L		102	69 - 128		
Benzene			0.0200	0.0205		mg/L		103	78 - 126		
Carbon tetrachloride			0.0200	0.0211		mg/L		105	56 - 131		
Chlorobenzene			0.0200	0.0210		mg/L		105	80 - 119		
Chloroform			0.0200	0.0209		mg/L		105	78 - 125		
Tetrachloroethene			0.0200	0.0199		mg/L		99	70 - 127		
Trichloroethene			0.0200	0.0199		mg/L		100	71 - 121		
Vinyl chloride			0.0200	0.0183		mg/L		91	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*
4-Bromofluorobenzene	*114*		*76 - 120*
Dibromofluoromethane (Surr)	*109*		*77 - 124*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-779127/5
Matrix: Solid
Analysis Batch: 779127

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0191		mg/L		95	68 - 133	0	30
1,2-Dichloroethane			0.0200	0.0207		mg/L		104	75 - 121	4	30
1,4-Dichlorobenzene			0.0200	0.0200		mg/L		100	80 - 118	0	30
2-Butanone (MEK)			0.100	0.0920		mg/L		92	69 - 128	11	30
Benzene			0.0200	0.0198		mg/L		99	78 - 126	4	30
Carbon tetrachloride			0.0200	0.0217		mg/L		109	56 - 131	3	30
Chlorobenzene			0.0200	0.0200		mg/L		100	80 - 119	5	30
Chloroform			0.0200	0.0224		mg/L		112	78 - 125	7	30
Tetrachloroethene			0.0200	0.0197		mg/L		99	70 - 127	1	30
Trichloroethene			0.0200	0.0217		mg/L		109	71 - 121	9	30
Vinyl chloride			0.0200	0.0198		mg/L		99	61 - 144	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*
4-Bromofluorobenzene	*114*		*76 - 120*
Dibromofluoromethane (Surr)	*116*		*77 - 124*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: LB 460-775823/1-A
Matrix: Solid
Analysis Batch: 776143

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/06/21 11:55	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/06/21 11:55	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/06/21 11:55	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/06/21 11:55	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/06/21 11:55	10

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

Lab Sample ID: LB 460-775823/1-A
Matrix: Solid
Analysis Batch: 776143

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/06/21 11:55	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/06/21 11:55	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/06/21 11:55	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/06/21 11:55	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/06/21 11:55	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/06/21 11:55	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/06/21 11:55*	*10*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/06/21 11:55*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*05/06/21 11:55*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/06/21 11:55*	*10*

Lab Sample ID: LB 460-776121/1-A
Matrix: Solid
Analysis Batch: 776420

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/07/21 13:03	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/07/21 13:03	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/07/21 13:03	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/07/21 13:03	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/07/21 13:03	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/07/21 13:03	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/07/21 13:03	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/07/21 13:03	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/07/21 13:03	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/07/21 13:03	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/07/21 13:03	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/07/21 13:03*	*10*
4-Bromofluorobenzene	*111*		*76 - 120*		*05/07/21 13:03*	*10*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*05/07/21 13:03*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/07/21 13:03*	*10*

Lab Sample ID: LB 460-778839/1-A
Matrix: Solid
Analysis Batch: 779127

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 14:36	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 14:36	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 14:36	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 14:36	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 14:36	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 14:36	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 14:36	10

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

Lab Sample ID: LB 460-778839/1-A
Matrix: Solid
Analysis Batch: 779127

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 14:36	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 14:36	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 14:36	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 14:36	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 123*		*05/20/21 14:36*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/20/21 14:36*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*05/20/21 14:36*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/20/21 14:36*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-776027/1-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/05/21 17:13	05/06/21 00:08	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776027/1-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/05/21 17:13	05/06/21 00:08	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/05/21 17:13	05/06/21 00:08	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.71*	*A J*	*mg/Kg*		*2.60*		*05/05/21 17:13*	*05/06/21 00:08*	*1*
n-Decane	*0.0424*	*J*	*mg/Kg*		*3.96*	*124-18-5*	*05/05/21 17:13*	*05/06/21 00:08*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*124*	*	*10 - 123*	*05/05/21 17:13*	*05/06/21 00:08*	*1*
2-Fluorobiphenyl	*79*		*14 - 103*	*05/05/21 17:13*	*05/06/21 00:08*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 105*	*05/05/21 17:13*	*05/06/21 00:08*	*1*
Nitrobenzene-d5 (Surr)	*81*		*11 - 104*	*05/05/21 17:13*	*05/06/21 00:08*	*1*
Phenol-d5 (Surr)	*74*		*15 - 100*	*05/05/21 17:13*	*05/06/21 00:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776027/1-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776027

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	95		12 - 126	05/05/21 17:13	05/06/21 00:08	1

Lab Sample ID: LCS 460-776027/2-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.85		mg/Kg		85	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.22		mg/Kg		97	64 - 110
1,4-Dioxane	3.33	1.76		mg/Kg		53	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.00		mg/Kg		60	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	3.43		mg/Kg		103	58 - 113
2,4,5-Trichlorophenol	3.33	3.22		mg/Kg		97	64 - 112
2,4,6-Trichlorophenol	3.33	3.18		mg/Kg		95	63 - 113
2,4-Dichlorophenol	3.33	3.22		mg/Kg		97	66 - 113
2,4-Dimethylphenol	3.33	2.79		mg/Kg		84	63 - 107
2,4-Dinitrophenol	6.67	4.54		mg/Kg		68	25 - 150
2,4-Dinitrotoluene	3.33	3.41		mg/Kg		102	65 - 124
2,6-Dinitrotoluene	3.33	3.63		mg/Kg		109	67 - 121
2-Chloronaphthalene	3.33	2.91		mg/Kg		87	65 - 109
2-Chlorophenol	3.33	2.80		mg/Kg		84	63 - 106
2-Methylnaphthalene	3.33	2.93		mg/Kg		88	64 - 108
2-Methylphenol	3.33	2.64		mg/Kg		79	63 - 108
2-Nitroaniline	3.33	2.32		mg/Kg		70	59 - 119
2-Nitrophenol	3.33	3.77	*	mg/Kg		113	64 - 112
3,3'-Dichlorobenzidine	3.33	1.48		mg/Kg		45	17 - 101
3-Nitroaniline	3.33	2.11		mg/Kg		63	31 - 102
4,6-Dinitro-2-methylphenol	6.67	6.05		mg/Kg		91	44 - 136
4-Bromophenyl phenyl ether	3.33	3.28		mg/Kg		98	67 - 113
4-Chloro-3-methylphenol	3.33	2.86		mg/Kg		86	66 - 114
4-Chloroaniline	3.33	1.98		mg/Kg		59	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.12		mg/Kg		94	66 - 110
4-Methylphenol	3.33	2.44		mg/Kg		73	61 - 108
4-Nitroaniline	3.33	2.65		mg/Kg		80	50 - 110
4-Nitrophenol	6.67	5.15		mg/Kg		77	47 - 123
Acenaphthene	3.33	2.65		mg/Kg		80	53 - 110
Acenaphthylene	3.33	2.82		mg/Kg		85	64 - 108
Acetophenone	3.33	2.56		mg/Kg		77	61 - 103
Anthracene	3.33	2.82		mg/Kg		85	67 - 114
Atrazine	1.33	1.57		mg/Kg		118	44 - 145
Benzaldehyde	1.33	1.20		mg/Kg		90	43 - 150
Benzo[a]anthracene	3.33	2.73		mg/Kg		82	67 - 115
Benzo[a]pyrene	3.33	3.44		mg/Kg		103	73 - 123
Benzo[b]fluoranthene	3.33	3.17		mg/Kg		95	70 - 125
Benzo[g,h,i]perylene	3.33	3.08		mg/Kg		92	61 - 113
Benzo[k]fluoranthene	3.33	3.31		mg/Kg		99	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.59		mg/Kg		78	62 - 107
Bis(2-chloroethyl)ether	3.33	2.50		mg/Kg		75	60 - 107

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-776027/2-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	3.33	2.03		mg/Kg		61	59 - 111
Butyl benzyl phthalate	3.33	2.47		mg/Kg		74	62 - 113
Caprolactam	1.33	1.21		mg/Kg		91	59 - 140
Carbazole	3.33	2.69		mg/Kg		81	64 - 113
Chrysene	3.33	2.91		mg/Kg		87	71 - 122
Dibenz(a,h)anthracene	3.33	3.20		mg/Kg		96	66 - 119
Dibenzofuran	3.33	2.96		mg/Kg		89	65 - 108
Diethyl phthalate	3.33	2.75		mg/Kg		83	63 - 109
Dimethyl phthalate	3.33	2.89		mg/Kg		87	65 - 109
Di-n-butyl phthalate	3.33	2.52		mg/Kg		76	66 - 114
Di-n-octyl phthalate	3.33	2.28		mg/Kg		68	65 - 122
Fluoranthene	3.33	2.90		mg/Kg		87	61 - 106
Fluorene	3.33	2.88		mg/Kg		86	65 - 109
Hexachlorobenzene	3.33	3.57		mg/Kg		107	61 - 113
Hexachlorobutadiene	3.33	3.60		mg/Kg		108	62 - 109
Hexachlorocyclopentadiene	3.33	3.11		mg/Kg		93	42 - 118
Hexachloroethane	3.33	2.67		mg/Kg		80	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.33		mg/Kg		100	62 - 121
Isophorone	3.33	2.61		mg/Kg		78	63 - 107
Naphthalene	3.33	2.85		mg/Kg		85	63 - 106
Nitrobenzene	3.33	3.04		mg/Kg		91	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.37		mg/Kg		71	61 - 108
N-Nitrosodiphenylamine	3.33	2.79		mg/Kg		84	67 - 113
Pentachlorophenol	6.67	5.68		mg/Kg		85	44 - 126
Phenanthrene	3.33	2.81		mg/Kg		84	66 - 112
Phenol	3.33	2.58		mg/Kg		77	63 - 110
Pyrene	3.33	2.85		mg/Kg		85	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*127*	*	*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*78*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*74*		*15 - 100*
Terphenyl-d14 (Surr)	*97*		*12 - 126*

Lab Sample ID: LCSD 460-776027/3-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.95		mg/Kg		88	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	3.33	3.36		mg/Kg		101	64 - 110	4	30
1,4-Dioxane	3.33	1.77		mg/Kg		53	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	3.33	2.09		mg/Kg		63	49 - 109	5	30
2,3,4,6-Tetrachlorophenol	3.33	3.56		mg/Kg		107	58 - 113	4	30
2,4,5-Trichlorophenol	3.33	3.26		mg/Kg		98	64 - 112	1	30
2,4,6-Trichlorophenol	3.33	3.28		mg/Kg		98	63 - 113	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776027/3-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	3.33	3.37		mg/Kg		101	66 - 113	5	30
2,4-Dimethylphenol	3.33	2.95		mg/Kg		89	63 - 107	6	30
2,4-Dinitrophenol	6.67	6.51	*	mg/Kg		98	25 - 150	36	30
2,4-Dinitrotoluene	3.33	3.53		mg/Kg		106	65 - 124	3	30
2,6-Dinitrotoluene	3.33	3.75		mg/Kg		112	67 - 121	3	30
2-Chloronaphthalene	3.33	2.99		mg/Kg		90	65 - 109	3	30
2-Chlorophenol	3.33	2.93		mg/Kg		88	63 - 106	4	30
2-Methylnaphthalene	3.33	3.03		mg/Kg		91	64 - 108	3	30
2-Methylphenol	3.33	2.77		mg/Kg		83	63 - 108	5	30
2-Nitroaniline	3.33	2.35		mg/Kg		71	59 - 119	1	30
2-Nitrophenol	3.33	3.95	*	mg/Kg		118	64 - 112	4	30
3,3'-Dichlorobenzidine	3.33	1.16		mg/Kg		35	17 - 101	25	30
3-Nitroaniline	3.33	1.88		mg/Kg		56	31 - 102	12	30
4,6-Dinitro-2-methylphenol	6.67	7.39		mg/Kg		111	44 - 136	20	30
4-Bromophenyl phenyl ether	3.33	3.45		mg/Kg		103	67 - 113	5	30
4-Chloro-3-methylphenol	3.33	2.98		mg/Kg		89	66 - 114	4	30
4-Chloroaniline	3.33	1.46		mg/Kg		44	20 - 98	30	30
4-Chlorophenyl phenyl ether	3.33	3.24		mg/Kg		97	66 - 110	4	30
4-Methylphenol	3.33	2.55		mg/Kg		76	61 - 108	4	30
4-Nitroaniline	3.33	2.77		mg/Kg		83	50 - 110	4	30
4-Nitrophenol	6.67	5.44		mg/Kg		82	47 - 123	6	30
Acenaphthene	3.33	2.69		mg/Kg		81	53 - 110	2	30
Acenaphthylene	3.33	2.91		mg/Kg		87	64 - 108	3	30
Acetophenone	3.33	2.66		mg/Kg		80	61 - 103	4	30
Anthracene	3.33	2.93		mg/Kg		88	67 - 114	4	30
Atrazine	1.33	1.70		mg/Kg		128	44 - 145	8	30
Benzaldehyde	1.33	1.29		mg/Kg		97	43 - 150	8	30
Benzo[a]anthracene	3.33	2.85		mg/Kg		86	67 - 115	4	30
Benzo[a]pyrene	3.33	3.59		mg/Kg		108	73 - 123	4	30
Benzo[b]fluoranthene	3.33	3.36		mg/Kg		101	70 - 125	6	30
Benzo[g,h,i]perylene	3.33	3.16		mg/Kg		95	61 - 113	3	30
Benzo[k]fluoranthene	3.33	3.39		mg/Kg		102	67 - 115	3	30
Bis(2-chloroethoxy)methane	3.33	2.68		mg/Kg		80	62 - 107	3	30
Bis(2-chloroethyl)ether	3.33	2.60		mg/Kg		78	60 - 107	4	30
Bis(2-ethylhexyl) phthalate	3.33	2.10		mg/Kg		63	59 - 111	3	30
Butyl benzyl phthalate	3.33	2.56		mg/Kg		77	62 - 113	3	30
Caprolactam	1.33	1.28		mg/Kg		96	59 - 140	6	30
Carbazole	3.33	2.81		mg/Kg		84	64 - 113	5	30
Chrysene	3.33	2.96		mg/Kg		89	71 - 122	2	30
Dibenz(a,h)anthracene	3.33	3.31		mg/Kg		99	66 - 119	3	30
Dibenzofuran	3.33	3.09		mg/Kg		93	65 - 108	4	30
Diethyl phthalate	3.33	2.84		mg/Kg		85	63 - 109	3	30
Dimethyl phthalate	3.33	3.04		mg/Kg		91	65 - 109	5	30
Di-n-butyl phthalate	3.33	2.62		mg/Kg		79	66 - 114	4	30
Di-n-octyl phthalate	3.33	2.37		mg/Kg		71	65 - 122	4	30
Fluoranthene	3.33	3.02		mg/Kg		90	61 - 106	4	30
Fluorene	3.33	2.97		mg/Kg		89	65 - 109	3	30
Hexachlorobenzene	3.33	3.73		mg/Kg		112	61 - 113	4	30
Hexachlorobutadiene	3.33	3.65		mg/Kg		109	62 - 109	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776027/3-A
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			3.33	3.23		mg/Kg		97	42 - 118	4	30
Hexachloroethane			3.33	2.78		mg/Kg		84	61 - 102	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.50		mg/Kg		105	62 - 121	5	30
Isophorone			3.33	2.69		mg/Kg		81	63 - 107	3	30
Naphthalene			3.33	2.93		mg/Kg		88	63 - 106	3	30
Nitrobenzene			3.33	3.16		mg/Kg		95	63 - 110	4	30
N-Nitrosodi-n-propylamine			3.33	2.49		mg/Kg		75	61 - 108	5	30
N-Nitrosodiphenylamine			3.33	2.93		mg/Kg		88	67 - 113	5	30
Pentachlorophenol			6.67	6.08		mg/Kg		91	44 - 126	7	30
Phenanthrene			3.33	2.93		mg/Kg		88	66 - 112	4	30
Phenol			3.33	2.67		mg/Kg		80	63 - 110	3	30
Pyrene			3.33	3.01		mg/Kg		90	61 - 111	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*134*	*	*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*80*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*78*		*15 - 100*
Terphenyl-d14 (Surr)	*102*		*12 - 126*

Lab Sample ID: 460-233561-A-2-A MS
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.35	U	3.55	2.35		mg/Kg	☼	66	65 - 110
1,2,4,5-Tetrachlorobenzene	0.35	U	3.55	2.66		mg/Kg	☼	75	64 - 110
1,4-Dioxane	0.035	U	3.55	1.53		mg/Kg	☼	43	31 - 81
2,2'-oxybis[1-chloropropane]	0.35	U	3.55	1.68	*	mg/Kg	☼	47	49 - 109
2,3,4,6-Tetrachlorophenol	0.35	U	3.55	2.69		mg/Kg	☼	76	58 - 113
2,4,5-Trichlorophenol	0.35	U	3.55	2.62		mg/Kg	☼	74	64 - 112
2,4,6-Trichlorophenol	0.14	U	3.55	2.51		mg/Kg	☼	71	63 - 113
2,4-Dichlorophenol	0.14	U	3.55	2.69		mg/Kg	☼	76	66 - 113
2,4-Dimethylphenol	0.35	U	3.55	2.28		mg/Kg	☼	64	63 - 107
2,4-Dinitrophenol	0.28	U *	7.11	2.19		mg/Kg	☼	31	25 - 150
2,4-Dinitrotoluene	0.071	U	3.55	2.77		mg/Kg	☼	78	65 - 124
2,6-Dinitrotoluene	0.071	U	3.55	2.92		mg/Kg	☼	82	67 - 121
2-Chloronaphthalene	0.35	U	3.55	2.38		mg/Kg	☼	67	65 - 109
2-Chlorophenol	0.35	U	3.55	2.34		mg/Kg	☼	66	63 - 106
2-Methylnaphthalene	0.35	U	3.55	2.42		mg/Kg	☼	68	64 - 108
2-Methylphenol	0.35	U	3.55	2.20	*	mg/Kg	☼	62	63 - 108
2-Nitroaniline	0.35	U	3.55	1.87	*	mg/Kg	☼	53	59 - 119
2-Nitrophenol	0.35	U *	3.55	3.12		mg/Kg	☼	88	64 - 112
3,3'-Dichlorobenzidine	0.14	U	3.55	1.59		mg/Kg	☼	45	17 - 101
3-Nitroaniline	0.35	U	3.55	1.83		mg/Kg	☼	51	31 - 102
4,6-Dinitro-2-methylphenol	0.28	U	7.11	3.69		mg/Kg	☼	52	44 - 136
4-Bromophenyl phenyl ether	0.35	U	3.55	2.71		mg/Kg	☼	76	67 - 113

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233561-A-2-A MS
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	0.35	U	3.55	2.39		mg/Kg	☼	67	66 - 114
4-Chloroaniline	0.35	U	3.55	1.66		mg/Kg	☼	47	20 - 98
4-Chlorophenyl phenyl ether	0.35	U	3.55	2.60		mg/Kg	☼	73	66 - 110
4-Methylphenol	0.35	U	3.55	2.03	*	mg/Kg	☼	57	61 - 108
4-Nitroaniline	0.35	U	3.55	2.20		mg/Kg	☼	62	50 - 110
4-Nitrophenol	0.71	U	7.11	4.05		mg/Kg	☼	57	47 - 123
Acenaphthene	0.35	U	3.55	2.15		mg/Kg	☼	61	53 - 110
Acenaphthylene	0.35	U	3.55	2.34		mg/Kg	☼	66	64 - 108
Acetophenone	0.35	U	3.55	2.11	*	mg/Kg	☼	59	61 - 103
Anthracene	0.35	U	3.55	2.34	*	mg/Kg	☼	66	67 - 114
Atrazine	0.14	U	1.42	1.35		mg/Kg	☼	95	44 - 145
Benzaldehyde	0.35	U	1.42	1.12		mg/Kg	☼	79	43 - 150
Benzo[a]anthracene	0.035	U	3.55	2.32	*	mg/Kg	☼	65	67 - 115
Benzo[a]pyrene	0.035	U	3.55	2.83		mg/Kg	☼	80	73 - 123
Benzo[b]fluoranthene	0.035	U	3.55	2.81		mg/Kg	☼	79	70 - 125
Benzo[g,h,i]perylene	0.35	U	3.55	2.48		mg/Kg	☼	70	61 - 113
Benzo[k]fluoranthene	0.035	U	3.55	2.52		mg/Kg	☼	71	67 - 115
Bis(2-chloroethoxy)methane	0.35	U	3.55	2.14	*	mg/Kg	☼	60	62 - 107
Bis(2-chloroethyl)ether	0.035	U	3.55	2.05	*	mg/Kg	☼	58	60 - 107
Bis(2-ethylhexyl) phthalate	0.35	U	3.55	1.61	*	mg/Kg	☼	45	59 - 111
Butyl benzyl phthalate	0.35	U	3.55	2.02	*	mg/Kg	☼	57	62 - 113
Caprolactam	0.35	U	1.42	1.05		mg/Kg	☼	74	59 - 140
Carbazole	0.35	U	3.55	2.25	*	mg/Kg	☼	63	64 - 113
Chrysene	0.35	U	3.55	2.39	*	mg/Kg	☼	67	71 - 122
Dibenz(a,h)anthracene	0.035	U	3.55	2.60		mg/Kg	☼	73	66 - 119
Dibenzofuran	0.35	U	3.55	2.44		mg/Kg	☼	69	65 - 108
Diethyl phthalate	0.35	U	3.55	2.27		mg/Kg	☼	64	63 - 109
Dimethyl phthalate	0.35	U	3.55	2.38		mg/Kg	☼	67	65 - 109
Di-n-butyl phthalate	0.35	U	3.55	2.07	*	mg/Kg	☼	58	66 - 114
Di-n-octyl phthalate	0.35	U	3.55	1.85	*	mg/Kg	☼	52	65 - 122
Fluoranthene	0.35	U	3.55	2.41		mg/Kg	☼	68	61 - 106
Fluorene	0.35	U	3.55	2.36		mg/Kg	☼	66	65 - 109
Hexachlorobenzene	0.035	U	3.55	2.95		mg/Kg	☼	83	61 - 113
Hexachlorobutadiene	0.071	U	3.55	2.96		mg/Kg	☼	83	62 - 109
Hexachlorocyclopentadiene	0.35	U	3.55	2.59		mg/Kg	☼	73	42 - 118
Hexachloroethane	0.035	U	3.55	2.22		mg/Kg	☼	63	61 - 102
Indeno[1,2,3-cd]pyrene	0.035	U	3.55	2.50		mg/Kg	☼	70	62 - 121
Isophorone	0.14	U	3.55	2.13	*	mg/Kg	☼	60	63 - 107
Naphthalene	0.016	J	3.55	2.34		mg/Kg	☼	65	63 - 106
Nitrobenzene	0.035	U	3.55	2.52		mg/Kg	☼	71	63 - 110
N-Nitrosodi-n-propylamine	0.035	U	3.55	1.97	*	mg/Kg	☼	55	61 - 108
N-Nitrosodiphenylamine	0.35	U	3.55	2.34	*	mg/Kg	☼	66	67 - 113
Pentachlorophenol	0.28	U	7.11	4.09		mg/Kg	☼	58	44 - 126
Phenanthrene	0.35	U	3.55	2.33		mg/Kg	☼	66	66 - 112
Phenol	0.35	U	3.55	2.13	*	mg/Kg	☼	60	63 - 110
Pyrene	0.35	U	3.55	2.41		mg/Kg	☼	68	61 - 111

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233561-A-2-A MS
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776027

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 123*
2-Fluorobiphenyl	*64*		*14 - 103*
2-Fluorophenol (Surr)	*61*		*10 - 105*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*
Phenol-d5 (Surr)	*58*		*15 - 100*
Terphenyl-d14 (Surr)	*78*		*12 - 126*

Lab Sample ID: 460-233561-A-2-B MSD
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.55	2.30		mg/Kg	☼	65	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.55	2.58		mg/Kg	☼	73	64 - 110	3	30
1,4-Dioxane	0.035	U	3.55	1.44		mg/Kg	☼	41	31 - 81	6	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.55	1.61	*	mg/Kg	☼	45	49 - 109	5	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.55	2.61		mg/Kg	☼	74	58 - 113	3	30
2,4,5-Trichlorophenol	0.35	U	3.55	2.55		mg/Kg	☼	72	64 - 112	3	30
2,4,6-Trichlorophenol	0.14	U	3.55	2.47		mg/Kg	☼	70	63 - 113	2	30
2,4-Dichlorophenol	0.14	U	3.55	2.63		mg/Kg	☼	74	66 - 113	2	30
2,4-Dimethylphenol	0.35	U	3.55	2.22	*	mg/Kg	☼	62	63 - 107	2	30
2,4-Dinitrophenol	0.28	U *	7.11	3.56	*	mg/Kg	☼	50	25 - 150	48	30
2,4-Dinitrotoluene	0.071	U	3.55	2.67		mg/Kg	☼	75	65 - 124	4	30
2,6-Dinitrotoluene	0.071	U	3.55	2.86		mg/Kg	☼	81	67 - 121	2	30
2-Chloronaphthalene	0.35	U	3.55	2.33		mg/Kg	☼	66	65 - 109	2	30
2-Chlorophenol	0.35	U	3.55	2.24		mg/Kg	☼	63	63 - 106	4	30
2-Methylnaphthalene	0.35	U	3.55	2.38		mg/Kg	☼	67	64 - 108	2	30
2-Methylphenol	0.35	U	3.55	2.11	*	mg/Kg	☼	59	63 - 108	4	30
2-Nitroaniline	0.35	U	3.55	1.79	*	mg/Kg	☼	50	59 - 119	4	30
2-Nitrophenol	0.35	U *	3.55	3.07		mg/Kg	☼	86	64 - 112	2	30
3,3'-Dichlorobenzidine	0.14	U	3.55	1.46		mg/Kg	☼	41	17 - 101	9	30
3-Nitroaniline	0.35	U	3.55	1.70		mg/Kg	☼	48	31 - 102	7	30
4,6-Dinitro-2-methylphenol	0.28	U	7.11	4.83		mg/Kg	☼	68	44 - 136	27	30
4-Bromophenyl phenyl ether	0.35	U	3.55	2.66		mg/Kg	☼	75	67 - 113	2	30
4-Chloro-3-methylphenol	0.35	U	3.55	2.29	*	mg/Kg	☼	64	66 - 114	4	30
4-Chloroaniline	0.35	U	3.55	1.51		mg/Kg	☼	43	20 - 98	9	30
4-Chlorophenyl phenyl ether	0.35	U	3.55	2.49		mg/Kg	☼	70	66 - 110	4	30
4-Methylphenol	0.35	U	3.55	1.93	*	mg/Kg	☼	54	61 - 108	5	30
4-Nitroaniline	0.35	U	3.55	2.07		mg/Kg	☼	58	50 - 110	6	30
4-Nitrophenol	0.71	U	7.11	3.98		mg/Kg	☼	56	47 - 123	2	30
Acenaphthene	0.35	U	3.55	2.10		mg/Kg	☼	59	53 - 110	3	30
Acenaphthylene	0.35	U	3.55	2.26		mg/Kg	☼	64	64 - 108	4	30
Acetophenone	0.35	U	3.55	2.04	*	mg/Kg	☼	57	61 - 103	3	30
Anthracene	0.35	U	3.55	2.27	*	mg/Kg	☼	64	67 - 114	3	30
Atrazine	0.14	U	1.42	1.22		mg/Kg	☼	86	44 - 145	10	30
Benzaldehyde	0.35	U	1.42	0.983		mg/Kg	☼	69	43 - 150	13	30
Benzo[a]anthracene	0.035	U	3.55	2.19	*	mg/Kg	☼	62	67 - 115	6	30
Benzo[a]pyrene	0.035	U	3.55	2.73		mg/Kg	☼	77	73 - 123	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233561-A-2-B MSD
Matrix: Solid
Analysis Batch: 776000

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	0.035	U	3.55	2.71		mg/Kg	☼	76	70 - 125	4	30
Benzo[g,h,i]perylene	0.35	U	3.55	2.41		mg/Kg	☼	68	61 - 113	3	30
Benzo[k]fluoranthene	0.035	U	3.55	2.45		mg/Kg	☼	69	67 - 115	3	30
Bis(2-chloroethoxy)methane	0.35	U	3.55	2.09	*	mg/Kg	☼	59	62 - 107	2	30
Bis(2-chloroethyl)ether	0.035	U	3.55	1.98	*	mg/Kg	☼	56	60 - 107	3	30
Bis(2-ethylhexyl) phthalate	0.35	U	3.55	1.57	*	mg/Kg	☼	44	59 - 111	2	30
Butyl benzyl phthalate	0.35	U	3.55	1.95	*	mg/Kg	☼	55	62 - 113	4	30
Caprolactam	0.35	U	1.42	0.992		mg/Kg	☼	70	59 - 140	6	30
Carbazole	0.35	U	3.55	2.17	*	mg/Kg	☼	61	64 - 113	4	30
Chrysene	0.35	U	3.55	2.29	*	mg/Kg	☼	65	71 - 122	4	30
Dibenz(a,h)anthracene	0.035	U	3.55	2.48		mg/Kg	☼	70	66 - 119	5	30
Dibenzofuran	0.35	U	3.55	2.35		mg/Kg	☼	66	65 - 108	4	30
Diethyl phthalate	0.35	U	3.55	2.17	*	mg/Kg	☼	61	63 - 109	4	30
Dimethyl phthalate	0.35	U	3.55	2.29	*	mg/Kg	☼	64	65 - 109	4	30
Di-n-butyl phthalate	0.35	U	3.55	1.98	*	mg/Kg	☼	56	66 - 114	4	30
Di-n-octyl phthalate	0.35	U	3.55	1.79	*	mg/Kg	☼	50	65 - 122	4	30
Fluoranthene	0.35	U	3.55	2.31		mg/Kg	☼	65	61 - 106	4	30
Fluorene	0.35	U	3.55	2.29	*	mg/Kg	☼	64	65 - 109	3	30
Hexachlorobenzene	0.035	U	3.55	2.88		mg/Kg	☼	81	61 - 113	2	30
Hexachlorobutadiene	0.071	U	3.55	2.90		mg/Kg	☼	82	62 - 109	2	30
Hexachlorocyclopentadiene	0.35	U	3.55	2.47		mg/Kg	☼	69	42 - 118	5	30
Hexachloroethane	0.035	U	3.55	2.14	*	mg/Kg	☼	60	61 - 102	4	30
Indeno[1,2,3-cd]pyrene	0.035	U	3.55	2.45		mg/Kg	☼	69	62 - 121	2	30
Isophorone	0.14	U	3.55	2.07	*	mg/Kg	☼	58	63 - 107	3	30
Naphthalene	0.016	J	3.55	2.29		mg/Kg	☼	64	63 - 106	2	30
Nitrobenzene	0.035	U	3.55	2.42		mg/Kg	☼	68	63 - 110	4	30
N-Nitrosodi-n-propylamine	0.035	U	3.55	1.90	*	mg/Kg	☼	53	61 - 108	4	30
N-Nitrosodiphenylamine	0.35	U	3.55	2.26	*	mg/Kg	☼	64	67 - 113	3	30
Pentachlorophenol	0.28	U	7.11	4.36		mg/Kg	☼	61	44 - 126	6	30
Phenanthrene	0.35	U	3.55	2.25	*	mg/Kg	☼	63	66 - 112	4	30
Phenol	0.35	U	3.55	2.04	*	mg/Kg	☼	57	63 - 110	4	30
Pyrene	0.35	U	3.55	2.34		mg/Kg	☼	66	61 - 111	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 123*
2-Fluorobiphenyl	*61*		*14 - 103*
2-Fluorophenol (Surr)	*58*		*10 - 105*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*
Phenol-d5 (Surr)	*55*		*15 - 100*
Terphenyl-d14 (Surr)	*74*		*12 - 126*

Lab Sample ID: MB 460-776467/1-A
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/07/21 10:36	05/07/21 18:15	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/07/21 18:15	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776467/1-A
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/07/21 18:15	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/07/21 18:15	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/07/21 18:15	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/07/21 18:15	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/07/21 18:15	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/07/21 18:15	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/07/21 18:15	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/07/21 18:15	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/07/21 18:15	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/07/21 18:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*114*		*33 - 150*	*05/07/21 10:36*	*05/07/21 18:15*	*1*
2-Fluorobiphenyl	*80*		*42 - 127*	*05/07/21 10:36*	*05/07/21 18:15*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/07/21 10:36*	*05/07/21 18:15*	*1*
Nitrobenzene-d5 (Surr)	*109*		*46 - 137*	*05/07/21 10:36*	*05/07/21 18:15*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/07/21 10:36*	*05/07/21 18:15*	*1*
Terphenyl-d14 (Surr)	*122*		*39 - 150*	*05/07/21 10:36*	*05/07/21 18:15*	*1*

Lab Sample ID: LCS 460-776467/2-A
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0394		mg/L		49	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0633		mg/L		79	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0641		mg/L		80	66 - 117
3 & 4 Methylphenol	0.0800	0.0407		mg/L		51	43 - 78
2,4-Dinitrotoluene	0.0800	0.0865		mg/L		108	68 - 134
Pyridine	0.160	0.0702		mg/L		44	13 - 71
2-Methylphenol	0.0800	0.0466		mg/L		58	48 - 88
Hexachlorobenzene	0.0800	0.0748		mg/L		94	61 - 117
Hexachlorobutadiene	0.0800	0.0475		mg/L		59	10 - 133
Hexachloroethane	0.0800	0.0383		mg/L		48	17 - 115
Nitrobenzene	0.0800	0.0703		mg/L		88	71 - 116
Pentachlorophenol	0.160	0.139		mg/L		87	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*33 - 150*
2-Fluorobiphenyl	*76*		*42 - 127*
2-Fluorophenol (Surr)	*33*		*18 - 72*
Nitrobenzene-d5 (Surr)	*95*		*46 - 137*
Phenol-d5 (Surr)	*23*		*10 - 50*
Terphenyl-d14 (Surr)	*95*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233581-E-2-A MS
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.010	U	0.0800	0.0348		mg/L		43	40 - 102
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0809		mg/L		101	63 - 112
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0812		mg/L		101	66 - 117
3 & 4 Methylphenol	0.010	U	0.0800	0.0437		mg/L		55	43 - 78
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0990		mg/L		124	68 - 134
Pyridine	0.010	U	0.160	0.0623		mg/L		39	13 - 71
2-Methylphenol	0.010	U	0.0800	0.0496		mg/L		62	48 - 88
Hexachlorobenzene	0.0010	U	0.0800	0.0855		mg/L		107	61 - 117
Hexachlorobutadiene	0.0020	U	0.0800	0.0390		mg/L		49	10 - 133
Hexachloroethane	0.0020	U	0.0800	0.0306		mg/L		38	17 - 115
Nitrobenzene	0.0010	U	0.0800	0.0817		mg/L		102	71 - 116
Pentachlorophenol	0.030	U	0.160	0.183		mg/L		114	54 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*33 - 150*
2-Fluorobiphenyl	*76*		*42 - 127*
2-Fluorophenol (Surr)	*35*		*18 - 72*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*
Phenol-d5 (Surr)	*21*		*10 - 50*
Terphenyl-d14 (Surr)	*76*		*39 - 150*

Lab Sample ID: 460-233581-E-2-B MSD
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.010	U	0.0800	0.0385		mg/L		48	40 - 102	10	30
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0844		mg/L		105	63 - 112	4	30
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0834		mg/L		104	66 - 117	3	30
3 & 4 Methylphenol	0.010	U	0.0800	0.0432		mg/L		54	43 - 78	1	30
2,4-Dinitrotoluene	0.0020	U	0.0800	0.108	*	mg/L		135	68 - 134	8	30
Pyridine	0.010	U	0.160	0.0715		mg/L		45	13 - 71	14	30
2-Methylphenol	0.010	U	0.0800	0.0508		mg/L		63	48 - 88	2	30
Hexachlorobenzene	0.0010	U	0.0800	0.0873		mg/L		109	61 - 117	2	30
Hexachlorobutadiene	0.0020	U	0.0800	0.0435		mg/L		54	10 - 133	11	30
Hexachloroethane	0.0020	U	0.0800	0.0350		mg/L		44	17 - 115	13	30
Nitrobenzene	0.0010	U	0.0800	0.0824		mg/L		103	71 - 116	1	30
Pentachlorophenol	0.030	U	0.160	0.190		mg/L		119	54 - 131	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*33 - 150*
2-Fluorobiphenyl	*77*		*42 - 127*
2-Fluorophenol (Surr)	*32*		*18 - 72*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*
Phenol-d5 (Surr)	*20*		*10 - 50*
Terphenyl-d14 (Surr)	*70*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776509/1-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/07/21 16:02	05/07/21 22:40	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776509/1-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 16:02	05/07/21 22:40	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/07/21 16:02	05/07/21 22:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.802*	*A J*	*mg/Kg*		*2.91*		*05/07/21 16:02*	*05/07/21 22:40*	*1*
13-Docosenamide, (Z)-	*0.487*	*J N*	*mg/Kg*		*12.47*	*112-84-5*	*05/07/21 16:02*	*05/07/21 22:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 123*	*05/07/21 16:02*	*05/07/21 22:40*	*1*
2-Fluorobiphenyl	*84*		*14 - 103*	*05/07/21 16:02*	*05/07/21 22:40*	*1*
2-Fluorophenol (Surr)	*92*		*10 - 105*	*05/07/21 16:02*	*05/07/21 22:40*	*1*
Nitrobenzene-d5 (Surr)	*85*		*11 - 104*	*05/07/21 16:02*	*05/07/21 22:40*	*1*
Phenol-d5 (Surr)	*92*		*15 - 100*	*05/07/21 16:02*	*05/07/21 22:40*	*1*
Terphenyl-d14 (Surr)	*109*		*12 - 126*	*05/07/21 16:02*	*05/07/21 22:40*	*1*

Lab Sample ID: LCS 460-776509/2-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	3.06		mg/Kg		92	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.14		mg/Kg		94	64 - 110
1,4-Dioxane	3.33	2.23		mg/Kg		67	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.04		mg/Kg		91	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.91		mg/Kg		87	58 - 113
2,4,5-Trichlorophenol	3.33	2.96		mg/Kg		89	64 - 112
2,4,6-Trichlorophenol	3.33	3.20		mg/Kg		96	63 - 113
2,4-Dichlorophenol	3.33	3.17		mg/Kg		95	66 - 113
2,4-Dimethylphenol	3.33	3.02		mg/Kg		91	63 - 107
2,4-Dinitrophenol	6.67	6.29		mg/Kg		94	25 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-776509/2-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3.33	3.00		mg/Kg		90	65 - 124
2,6-Dinitrotoluene	3.33	3.08		mg/Kg		92	67 - 121
2-Chloronaphthalene	3.33	2.99		mg/Kg		90	65 - 109
2-Chlorophenol	3.33	3.12		mg/Kg		94	63 - 106
2-Methylnaphthalene	3.33	3.05		mg/Kg		91	64 - 108
2-Methylphenol	3.33	3.18		mg/Kg		95	63 - 108
2-Nitroaniline	3.33	3.07		mg/Kg		92	59 - 119
2-Nitrophenol	3.33	3.02		mg/Kg		90	64 - 112
3,3'-Dichlorobenzidine	3.33	1.49		mg/Kg		45	17 - 101
3-Nitroaniline	3.33	2.22		mg/Kg		67	31 - 102
4,6-Dinitro-2-methylphenol	6.67	6.48		mg/Kg		97	44 - 136
4-Bromophenyl phenyl ether	3.33	3.01		mg/Kg		90	67 - 113
4-Chloro-3-methylphenol	3.33	3.03		mg/Kg		91	66 - 114
4-Chloroaniline	3.33	1.41		mg/Kg		42	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.04		mg/Kg		91	66 - 110
4-Methylphenol	3.33	3.29		mg/Kg		99	61 - 108
4-Nitroaniline	3.33	2.63		mg/Kg		79	50 - 110
4-Nitrophenol	6.67	5.73		mg/Kg		86	47 - 123
Acenaphthene	3.33	3.09		mg/Kg		93	53 - 110
Acenaphthylene	3.33	3.01		mg/Kg		90	64 - 108
Acetophenone	3.33	3.06		mg/Kg		92	61 - 103
Anthracene	3.33	3.00		mg/Kg		90	67 - 114
Atrazine	1.33	1.22		mg/Kg		92	44 - 145
Benzaldehyde	1.33	1.30		mg/Kg		97	43 - 150
Benzo[a]anthracene	3.33	2.91		mg/Kg		87	67 - 115
Benzo[a]pyrene	3.33	3.74		mg/Kg		112	73 - 123
Benzo[b]fluoranthene	3.33	3.58		mg/Kg		107	70 - 125
Benzo[g,h,i]perylene	3.33	3.17		mg/Kg		95	61 - 113
Benzo[k]fluoranthene	3.33	3.38		mg/Kg		101	67 - 115
Bis(2-chloroethoxy)methane	3.33	3.08		mg/Kg		92	62 - 107
Bis(2-chloroethyl)ether	3.33	3.05		mg/Kg		91	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	3.19		mg/Kg		96	59 - 111
Butyl benzyl phthalate	3.33	3.32		mg/Kg		100	62 - 113
Caprolactam	1.33	1.14		mg/Kg		86	59 - 140
Carbazole	3.33	2.91		mg/Kg		87	64 - 113
Chrysene	3.33	3.07		mg/Kg		92	71 - 122
Dibenz(a,h)anthracene	3.33	3.27		mg/Kg		98	66 - 119
Dibenzofuran	3.33	2.96		mg/Kg		89	65 - 108
Diethyl phthalate	3.33	2.91		mg/Kg		87	63 - 109
Dimethyl phthalate	3.33	2.96		mg/Kg		89	65 - 109
Di-n-butyl phthalate	3.33	2.99		mg/Kg		90	66 - 114
Di-n-octyl phthalate	3.33	3.73		mg/Kg		112	65 - 122
Fluoranthene	3.33	2.83		mg/Kg		85	61 - 106
Fluorene	3.33	2.96		mg/Kg		89	65 - 109
Hexachlorobenzene	3.33	3.18		mg/Kg		95	61 - 113
Hexachlorobutadiene	3.33	3.11		mg/Kg		93	62 - 109
Hexachlorocyclopentadiene	3.33	3.20		mg/Kg		96	42 - 118
Hexachloroethane	3.33	3.07		mg/Kg		92	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.25		mg/Kg		98	62 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-776509/2-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776509

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isophorone			3.33	3.15		mg/Kg		94	63 - 107		
Naphthalene			3.33	2.97		mg/Kg		89	63 - 106		
Nitrobenzene			3.33	3.32		mg/Kg		100	63 - 110		
N-Nitrosodi-n-propylamine			3.33	3.38		mg/Kg		101	61 - 108		
N-Nitrosodiphenylamine			3.33	3.14		mg/Kg		94	67 - 113		
Pentachlorophenol			6.67	6.21		mg/Kg		93	44 - 126		
Phenanthrene			3.33	3.03		mg/Kg		91	66 - 112		
Phenol			3.33	3.21		mg/Kg		96	63 - 110		
Pyrene			3.33	3.40		mg/Kg		102	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*91*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*91*		*15 - 100*
Terphenyl-d14 (Surr)	*104*		*12 - 126*

Lab Sample ID: LCSD 460-776509/3-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776509

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.69		mg/Kg		81	65 - 110	13	30
1,2,4,5-Tetrachlorobenzene			3.33	2.78		mg/Kg		84	64 - 110	12	30
1,4-Dioxane			3.33	1.97		mg/Kg		59	31 - 81	12	30
2,2'-oxybis[1-chloropropane]			3.33	2.76		mg/Kg		83	49 - 109	10	30
2,3,4,6-Tetrachlorophenol			3.33	2.56		mg/Kg		77	58 - 113	13	30
2,4,5-Trichlorophenol			3.33	2.59		mg/Kg		78	64 - 112	13	30
2,4,6-Trichlorophenol			3.33	2.83		mg/Kg		85	63 - 113	12	30
2,4-Dichlorophenol			3.33	2.74		mg/Kg		82	66 - 113	15	30
2,4-Dimethylphenol			3.33	2.66		mg/Kg		80	63 - 107	13	30
2,4-Dinitrophenol			6.67	5.22		mg/Kg		78	25 - 150	19	30
2,4-Dinitrotoluene			3.33	2.64		mg/Kg		79	65 - 124	13	30
2,6-Dinitrotoluene			3.33	2.68		mg/Kg		81	67 - 121	14	30
2-Chloronaphthalene			3.33	2.62		mg/Kg		79	65 - 109	13	30
2-Chlorophenol			3.33	2.79		mg/Kg		84	63 - 106	11	30
2-Methylnaphthalene			3.33	2.68		mg/Kg		81	64 - 108	13	30
2-Methylphenol			3.33	2.89		mg/Kg		87	63 - 108	9	30
2-Nitroaniline			3.33	2.70		mg/Kg		81	59 - 119	13	30
2-Nitrophenol			3.33	2.71		mg/Kg		81	64 - 112	11	30
3,3'-Dichlorobenzidine			3.33	1.43		mg/Kg		43	17 - 101	4	30
3-Nitroaniline			3.33	2.11		mg/Kg		63	31 - 102	6	30
4,6-Dinitro-2-methylphenol			6.67	5.48		mg/Kg		82	44 - 136	17	30
4-Bromophenyl phenyl ether			3.33	2.63		mg/Kg		79	67 - 113	14	30
4-Chloro-3-methylphenol			3.33	2.64		mg/Kg		79	66 - 114	14	30
4-Chloroaniline			3.33	1.59		mg/Kg		48	20 - 98	12	30
4-Chlorophenyl phenyl ether			3.33	2.63		mg/Kg		79	66 - 110	14	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776509/3-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776509

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol			3.33	2.91		mg/Kg		87	61 - 108	12	30
4-Nitroaniline			3.33	2.35		mg/Kg		70	50 - 110	11	30
4-Nitrophenol			6.67	5.03		mg/Kg		75	47 - 123	13	30
Acenaphthene			3.33	2.67		mg/Kg		80	53 - 110	14	30
Acenaphthylene			3.33	2.65		mg/Kg		79	64 - 108	13	30
Acetophenone			3.33	2.73		mg/Kg		82	61 - 103	12	30
Anthracene			3.33	2.64		mg/Kg		79	67 - 114	13	30
Atrazine			1.33	1.25		mg/Kg		94	44 - 145	2	30
Benzaldehyde			1.33	1.37		mg/Kg		103	43 - 150	6	30
Benzo[a]anthracene			3.33	2.69		mg/Kg		81	67 - 115	8	30
Benzo[a]pyrene			3.33	3.16		mg/Kg		95	73 - 123	17	30
Benzo[b]fluoranthene			3.33	3.04		mg/Kg		91	70 - 125	16	30
Benzo[g,h,i]perylene			3.33	2.63		mg/Kg		79	61 - 113	19	30
Benzo[k]fluoranthene			3.33	2.87		mg/Kg		86	67 - 115	16	30
Bis(2-chloroethoxy)methane			3.33	2.72		mg/Kg		82	62 - 107	12	30
Bis(2-chloroethyl)ether			3.33	2.74		mg/Kg		82	60 - 107	11	30
Bis(2-ethylhexyl) phthalate			3.33	2.80		mg/Kg		84	59 - 111	13	30
Butyl benzyl phthalate			3.33	2.88		mg/Kg		86	62 - 113	14	30
Caprolactam			1.33	1.18		mg/Kg		89	59 - 140	3	30
Carbazole			3.33	2.50		mg/Kg		75	64 - 113	15	30
Chrysene			3.33	2.59		mg/Kg		78	71 - 122	17	30
Dibenz(a,h)anthracene			3.33	2.74		mg/Kg		82	66 - 119	17	30
Dibenzofuran			3.33	2.66		mg/Kg		80	65 - 108	11	30
Diethyl phthalate			3.33	2.54		mg/Kg		76	63 - 109	13	30
Dimethyl phthalate			3.33	2.58		mg/Kg		78	65 - 109	13	30
Di-n-butyl phthalate			3.33	2.62		mg/Kg		79	66 - 114	13	30
Di-n-octyl phthalate			3.33	3.15		mg/Kg		95	65 - 122	17	30
Fluoranthene			3.33	2.48		mg/Kg		74	61 - 106	13	30
Fluorene			3.33	2.61		mg/Kg		78	65 - 109	13	30
Hexachlorobenzene			3.33	2.74		mg/Kg		82	61 - 113	15	30
Hexachlorobutadiene			3.33	2.76		mg/Kg		83	62 - 109	12	30
Hexachlorocyclopentadiene			3.33	2.71		mg/Kg		81	42 - 118	17	30
Hexachloroethane			3.33	2.77		mg/Kg		83	61 - 102	10	30
Indeno[1,2,3-cd]pyrene			3.33	2.72		mg/Kg		82	62 - 121	18	30
Isophorone			3.33	2.76		mg/Kg		83	63 - 107	13	30
Naphthalene			3.33	2.64		mg/Kg		79	63 - 106	12	30
Nitrobenzene			3.33	2.99		mg/Kg		90	63 - 110	11	30
N-Nitrosodi-n-propylamine			3.33	2.98		mg/Kg		89	61 - 108	13	30
N-Nitrosodiphenylamine			3.33	2.74		mg/Kg		82	67 - 113	14	30
Pentachlorophenol			6.67	5.43		mg/Kg		82	44 - 126	13	30
Phenanthrene			3.33	2.68		mg/Kg		80	66 - 112	12	30
Phenol			3.33	2.84		mg/Kg		85	63 - 110	12	30
Pyrene			3.33	2.92		mg/Kg		88	61 - 111	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 123*
2-Fluorobiphenyl	*75*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776509/3-A
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776509

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*
Phenol-d5 (Surr)	*82*		*15 - 100*
Terphenyl-d14 (Surr)	*92*		*12 - 126*

Lab Sample ID: 460-233589-A-1-C MS
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.38	U	3.85	2.15	*	mg/Kg	☼	56	65 - 110
1,2,4,5-Tetrachlorobenzene	0.38	U	3.85	2.13	*	mg/Kg	☼	55	64 - 110
1,4-Dioxane	0.038	U	3.85	1.35		mg/Kg	☼	35	31 - 81
2,2'-oxybis[1-chloropropane]	0.38	U	3.85	2.07		mg/Kg	☼	54	49 - 109
2,3,4,6-Tetrachlorophenol	0.38	U	3.85	1.18	*	mg/Kg	☼	31	58 - 113
2,4,5-Trichlorophenol	0.38	U	3.85	1.63	*	mg/Kg	☼	42	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.85	1.48	*	mg/Kg	☼	39	63 - 113
2,4-Dichlorophenol	0.15	U	3.85	2.01	*	mg/Kg	☼	52	66 - 113
2,4-Dimethylphenol	0.38	U	3.85	2.12	*	mg/Kg	☼	55	63 - 107
2,4-Dinitrophenol	0.31	U	7.69	1.48	*	mg/Kg	☼	19	25 - 150
2,4-Dinitrotoluene	0.077	U	3.85	2.08	*	mg/Kg	☼	54	65 - 124
2,6-Dinitrotoluene	0.077	U	3.85	2.16	*	mg/Kg	☼	56	67 - 121
2-Chloronaphthalene	0.38	U	3.85	2.13	*	mg/Kg	☼	55	65 - 109
2-Chlorophenol	0.38	U	3.85	2.01	*	mg/Kg	☼	52	63 - 106
2-Methylnaphthalene	0.38	U	3.85	2.11	*	mg/Kg	☼	55	64 - 108
2-Methylphenol	0.38	U	3.85	2.19	*	mg/Kg	☼	57	63 - 108
2-Nitroaniline	0.38	U	3.85	2.15	*	mg/Kg	☼	56	59 - 119
2-Nitrophenol	0.38	U	3.85	1.47	*	mg/Kg	☼	38	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.85	1.89		mg/Kg	☼	49	17 - 101
3-Nitroaniline	0.38	U	3.85	2.00		mg/Kg	☼	52	31 - 102
4,6-Dinitro-2-methylphenol	0.31	U	7.69	2.59	*	mg/Kg	☼	34	44 - 136
4-Bromophenyl phenyl ether	0.38	U	3.85	2.15	*	mg/Kg	☼	56	67 - 113
4-Chloro-3-methylphenol	0.38	U	3.85	2.08	*	mg/Kg	☼	54	66 - 114
4-Chloroaniline	0.38	U	3.85	1.94		mg/Kg	☼	51	20 - 98
4-Chlorophenyl phenyl ether	0.38	U	3.85	2.15	*	mg/Kg	☼	56	66 - 110
4-Methylphenol	0.38	U	3.85	2.22	*	mg/Kg	☼	58	61 - 108
4-Nitroaniline	0.38	U	3.85	1.92		mg/Kg	☼	50	50 - 110
4-Nitrophenol	0.77	U	7.69	1.90	*	mg/Kg	☼	25	47 - 123
Acenaphthene	0.38	U	3.85	1.92	*	mg/Kg	☼	50	53 - 110
Acenaphthylene	0.38	U	3.85	2.09	*	mg/Kg	☼	54	64 - 108
Acetophenone	0.38	U	3.85	2.07	*	mg/Kg	☼	54	61 - 103
Anthracene	0.027	J	3.85	2.15	*	mg/Kg	☼	55	67 - 114
Atrazine	0.15	U	1.54	1.04		mg/Kg	☼	68	44 - 145
Benzaldehyde	0.38	U	1.54	1.03		mg/Kg	☼	67	43 - 150
Benzo[a]anthracene	0.10		3.85	2.13	*	mg/Kg	☼	53	67 - 115
Benzo[a]pyrene	0.12		3.85	2.64	*	mg/Kg	☼	66	73 - 123
Benzo[b]fluoranthene	0.16		3.85	2.51	*	mg/Kg	☼	61	70 - 125
Benzo[g,h,i]perylene	0.078	J	3.85	1.78	*	mg/Kg	☼	44	61 - 113
Benzo[k]fluoranthene	0.066		3.85	2.29	*	mg/Kg	☼	58	67 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233589-A-1-C MS
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	0.38	U	3.85	2.10	*	mg/Kg	☼	55	62 - 107
Bis(2-chloroethyl)ether	0.038	U	3.85	2.05	*	mg/Kg	☼	53	60 - 107
Bis(2-ethylhexyl) phthalate	0.38	U	3.85	2.18	*	mg/Kg	☼	57	59 - 111
Butyl benzyl phthalate	0.38	U	3.85	2.25	*	mg/Kg	☼	59	62 - 113
Caprolactam	0.38	U	1.54	0.910		mg/Kg	☼	59	59 - 140
Carbazole	0.016	J	3.85	2.05	*	mg/Kg	☼	53	64 - 113
Chrysene	0.11	J	3.85	2.21	*	mg/Kg	☼	55	71 - 122
Dibenz(a,h)anthracene	0.018	J	3.85	1.92	*	mg/Kg	☼	49	66 - 119
Dibenzofuran	0.38	U	3.85	2.11	*	mg/Kg	☼	55	65 - 108
Diethyl phthalate	0.38	U	3.85	2.07	*	mg/Kg	☼	54	63 - 109
Dimethyl phthalate	0.38	U	3.85	2.07	*	mg/Kg	☼	54	65 - 109
Di-n-butyl phthalate	0.38	U	3.85	2.14	*	mg/Kg	☼	56	66 - 114
Di-n-octyl phthalate	0.38	U	3.85	2.38	*	mg/Kg	☼	62	65 - 122
Fluoranthene	0.16	J	3.85	2.22	*	mg/Kg	☼	54	61 - 106
Fluorene	0.013	J	3.85	2.06	*	mg/Kg	☼	53	65 - 109
Hexachlorobenzene	0.038	U	3.85	2.11	*	mg/Kg	☼	55	61 - 113
Hexachlorobutadiene	0.077	U	3.85	2.13	*	mg/Kg	☼	55	62 - 109
Hexachlorocyclopentadiene	0.38	U	3.85	1.48	*	mg/Kg	☼	39	42 - 118
Hexachloroethane	0.038	U	3.85	2.01	*	mg/Kg	☼	52	61 - 102
Indeno[1,2,3-cd]pyrene	0.080		3.85	1.94	*	mg/Kg	☼	48	62 - 121
Isophorone	0.15	U	3.85	2.17	*	mg/Kg	☼	56	63 - 107
Naphthalene	0.38	U	3.85	2.08	*	mg/Kg	☼	54	63 - 106
Nitrobenzene	0.038	U	3.85	2.23	*	mg/Kg	☼	58	63 - 110
N-Nitrosodi-n-propylamine	0.038	U	3.85	2.29	*	mg/Kg	☼	60	61 - 108
N-Nitrosodiphenylamine	0.38	U	3.85	2.18	*	mg/Kg	☼	57	67 - 113
Pentachlorophenol	0.31	U	7.69	2.64	*	mg/Kg	☼	34	44 - 126
Phenanthrene	0.11	J	3.85	2.27	*	mg/Kg	☼	56	66 - 112
Phenol	0.38	U	3.85	2.19	*	mg/Kg	☼	57	63 - 110
Pyrene	0.17	J	3.85	2.28	*	mg/Kg	☼	55	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*36*		*10 - 123*
2-Fluorobiphenyl	*51*		*14 - 103*
2-Fluorophenol (Surr)	*50*		*10 - 105*
Nitrobenzene-d5 (Surr)	*51*		*11 - 104*
Phenol-d5 (Surr)	*53*		*15 - 100*
Terphenyl-d14 (Surr)	*57*		*12 - 126*

Lab Sample ID: 460-233589-A-1-D MSD
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.38	U	3.85	2.05	*	mg/Kg	☼	53	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.85	2.04	*	mg/Kg	☼	53	64 - 110	4	30
1,4-Dioxane	0.038	U	3.85	1.48		mg/Kg	☼	38	31 - 81	9	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.85	1.95		mg/Kg	☼	51	49 - 109	6	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.85	0.921	*	mg/Kg	☼	24	58 - 113	25	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233589-A-1-D MSD
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.38	U	3.85	1.44	*	mg/Kg	☼	38	64 - 112	12	30
2,4,6-Trichlorophenol	0.15	U	3.85	1.11	*	mg/Kg	☼	29	63 - 113	29	30
2,4-Dichlorophenol	0.15	U	3.85	1.81	*	mg/Kg	☼	47	66 - 113	10	30
2,4-Dimethylphenol	0.38	U	3.85	2.02	*	mg/Kg	☼	53	63 - 107	5	30
2,4-Dinitrophenol	0.31	U	7.69	1.22	*	mg/Kg	☼	16	25 - 150	20	30
2,4-Dinitrotoluene	0.077	U	3.85	2.02	*	mg/Kg	☼	53	65 - 124	3	30
2,6-Dinitrotoluene	0.077	U	3.85	2.11	*	mg/Kg	☼	55	67 - 121	2	30
2-Chloronaphthalene	0.38	U	3.85	2.03	*	mg/Kg	☼	53	65 - 109	5	30
2-Chlorophenol	0.38	U	3.85	1.78	*	mg/Kg	☼	46	63 - 106	12	30
2-Methylnaphthalene	0.38	U	3.85	1.97	*	mg/Kg	☼	51	64 - 108	7	30
2-Methylphenol	0.38	U	3.85	2.06	*	mg/Kg	☼	53	63 - 108	6	30
2-Nitroaniline	0.38	U	3.85	2.17	*	mg/Kg	☼	56	59 - 119	1	30
2-Nitrophenol	0.38	U	3.85	1.07	*	mg/Kg	☼	28	64 - 112	32	30
3,3'-Dichlorobenzidine	0.15	U	3.85	1.92		mg/Kg	☼	50	17 - 101	1	30
3-Nitroaniline	0.38	U	3.85	1.96		mg/Kg	☼	51	31 - 102	2	30
4,6-Dinitro-2-methylphenol	0.31	U	7.69	2.25	*	mg/Kg	☼	29	44 - 136	14	30
4-Bromophenyl phenyl ether	0.38	U	3.85	2.12	*	mg/Kg	☼	55	67 - 113	1	30
4-Chloro-3-methylphenol	0.38	U	3.85	1.99	*	mg/Kg	☼	52	66 - 114	5	30
4-Chloroaniline	0.38	U	3.85	1.82		mg/Kg	☼	47	20 - 98	7	30
4-Chlorophenyl phenyl ether	0.38	U	3.85	2.04	*	mg/Kg	☼	53	66 - 110	5	30
4-Methylphenol	0.38	U	3.85	2.07	*	mg/Kg	☼	54	61 - 108	7	30
4-Nitroaniline	0.38	U	3.85	1.84	*	mg/Kg	☼	48	50 - 110	4	30
4-Nitrophenol	0.77	U	7.69	1.18	*	mg/Kg	☼	15	47 - 123	47	30
Acenaphthene	0.38	U	3.85	1.83	*	mg/Kg	☼	47	53 - 110	5	30
Acenaphthylene	0.38	U	3.85	2.04	*	mg/Kg	☼	53	64 - 108	3	30
Acetophenone	0.38	U	3.85	1.97	*	mg/Kg	☼	51	61 - 103	5	30
Anthracene	0.027	J	3.85	2.11	*	mg/Kg	☼	54	67 - 114	2	30
Atrazine	0.15	U	1.54	1.13		mg/Kg	☼	73	44 - 145	8	30
Benzaldehyde	0.38	U	1.54	1.07		mg/Kg	☼	69	43 - 150	4	30
Benzo[a]anthracene	0.10		3.85	2.12	*	mg/Kg	☼	53	67 - 115	1	30
Benzo[a]pyrene	0.12		3.85	2.58	*	mg/Kg	☼	64	73 - 123	2	30
Benzo[b]fluoranthene	0.16		3.85	2.51	*	mg/Kg	☼	61	70 - 125	0	30
Benzo[g,h,i]perylene	0.078	J	3.85	1.65	*	mg/Kg	☼	41	61 - 113	8	30
Benzo[k]fluoranthene	0.066		3.85	2.22	*	mg/Kg	☼	56	67 - 115	3	30
Bis(2-chloroethoxy)methane	0.38	U	3.85	2.00	*	mg/Kg	☼	52	62 - 107	5	30
Bis(2-chloroethyl)ether	0.038	U	3.85	1.98	*	mg/Kg	☼	51	60 - 107	4	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.85	2.15	*	mg/Kg	☼	56	59 - 111	1	30
Butyl benzyl phthalate	0.38	U	3.85	2.20	*	mg/Kg	☼	57	62 - 113	2	30
Caprolactam	0.38	U	1.54	0.957		mg/Kg	☼	62	59 - 140	5	30
Carbazole	0.016	J	3.85	1.98	*	mg/Kg	☼	51	64 - 113	4	30
Chrysene	0.11	J	3.85	2.20	*	mg/Kg	☼	54	71 - 122	1	30
Dibenz(a,h)anthracene	0.018	J	3.85	1.77	*	mg/Kg	☼	45	66 - 119	8	30
Dibenzofuran	0.38	U	3.85	2.03	*	mg/Kg	☼	53	65 - 108	4	30
Diethyl phthalate	0.38	U	3.85	1.99	*	mg/Kg	☼	52	63 - 109	4	30
Dimethyl phthalate	0.38	U	3.85	2.03	*	mg/Kg	☼	53	65 - 109	2	30
Di-n-butyl phthalate	0.38	U	3.85	2.08	*	mg/Kg	☼	54	66 - 114	3	30
Di-n-octyl phthalate	0.38	U	3.85	2.34	*	mg/Kg	☼	61	65 - 122	2	30
Fluoranthene	0.16	J	3.85	2.12	*	mg/Kg	☼	51	61 - 106	5	30
Fluorene	0.013	J	3.85	1.99	*	mg/Kg	☼	51	65 - 109	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233589-A-1-D MSD
Matrix: Solid
Analysis Batch: 776537

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	0.038	U	3.85	2.05	*	mg/Kg	☼	53	61 - 113	3	30
Hexachlorobutadiene	0.077	U	3.85	2.02	*	mg/Kg	☼	52	62 - 109	6	30
Hexachlorocyclopentadiene	0.38	U	3.85	1.25	*	mg/Kg	☼	33	42 - 118	17	30
Hexachloroethane	0.038	U	3.85	1.96	*	mg/Kg	☼	51	61 - 102	3	30
Indeno[1,2,3-cd]pyrene	0.080		3.85	1.82	*	mg/Kg	☼	45	62 - 121	6	30
Isophorone	0.15	U	3.85	2.06	*	mg/Kg	☼	54	63 - 107	5	30
Naphthalene	0.38	U	3.85	1.96	*	mg/Kg	☼	51	63 - 106	6	30
Nitrobenzene	0.038	U	3.85	2.10	*	mg/Kg	☼	54	63 - 110	6	30
N-Nitrosodi-n-propylamine	0.038	U	3.85	2.12	*	mg/Kg	☼	55	61 - 108	8	30
N-Nitrosodiphenylamine	0.38	U	3.85	2.15	*	mg/Kg	☼	56	67 - 113	1	30
Pentachlorophenol	0.31	U	7.69	2.34	*	mg/Kg	☼	30	44 - 126	12	30
Phenanthrene	0.11	J	3.85	2.29	*	mg/Kg	☼	57	66 - 112	1	30
Phenol	0.38	U	3.85	2.02	*	mg/Kg	☼	53	63 - 110	8	30
Pyrene	0.17	J	3.85	2.28	*	mg/Kg	☼	55	61 - 111	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*29*		*10 - 123*
2-Fluorobiphenyl	*50*		*14 - 103*
2-Fluorophenol (Surr)	*45*		*10 - 105*
Nitrobenzene-d5 (Surr)	*50*		*11 - 104*
Phenol-d5 (Surr)	*50*		*15 - 100*
Terphenyl-d14 (Surr)	*57*		*12 - 126*

Lab Sample ID: MB 460-776589/1-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/07/21 23:38	05/08/21 17:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776589/1-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/07/21 23:38	05/08/21 17:35	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/07/21 23:38	05/08/21 17:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-776589/1-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776589

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Aldol condensation product	0.848	A J	mg/Kg		2.92		05/07/21 23:38	05/08/21 17:35	1
9-Octadecenamide, (Z)-	0.542	J N	mg/Kg		12.55	301-02-0	05/07/21 23:38	05/08/21 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	101		10 - 123	05/07/21 23:38	05/08/21 17:35	1
2-Fluorobiphenyl	79		14 - 103	05/07/21 23:38	05/08/21 17:35	1
2-Fluorophenol (Surr)	74		10 - 105	05/07/21 23:38	05/08/21 17:35	1
Nitrobenzene-d5 (Surr)	83		11 - 104	05/07/21 23:38	05/08/21 17:35	1
Phenol-d5 (Surr)	74		15 - 100	05/07/21 23:38	05/08/21 17:35	1
Terphenyl-d14 (Surr)	102		12 - 126	05/07/21 23:38	05/08/21 17:35	1

Lab Sample ID: LCS 460-776589/2-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.78		mg/Kg		83	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.95		mg/Kg		88	64 - 110
1,4-Dioxane	3.33	1.59		mg/Kg		48	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.59		mg/Kg		78	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.99		mg/Kg		90	58 - 113
2,4,5-Trichlorophenol	3.33	2.91		mg/Kg		87	64 - 112
2,4,6-Trichlorophenol	3.33	2.95		mg/Kg		89	63 - 113
2,4-Dichlorophenol	3.33	2.95		mg/Kg		88	66 - 113
2,4-Dimethylphenol	3.33	2.68		mg/Kg		80	63 - 107
2,4-Dinitrophenol	6.67	7.51		mg/Kg		113	25 - 150
2,4-Dinitrotoluene	3.33	3.43		mg/Kg		103	65 - 124
2,6-Dinitrotoluene	3.33	3.73		mg/Kg		112	67 - 121
2-Chloronaphthalene	3.33	2.83		mg/Kg		85	65 - 109
2-Chlorophenol	3.33	2.89		mg/Kg		87	63 - 106
2-Methylnaphthalene	3.33	2.68		mg/Kg		80	64 - 108
2-Methylphenol	3.33	2.85		mg/Kg		85	63 - 108
2-Nitroaniline	3.33	2.54		mg/Kg		76	59 - 119
2-Nitrophenol	3.33	3.40		mg/Kg		102	64 - 112
3,3'-Dichlorobenzidine	3.33	1.67		mg/Kg		50	17 - 101
3-Nitroaniline	3.33	2.49		mg/Kg		75	31 - 102
4,6-Dinitro-2-methylphenol	6.67	7.94		mg/Kg		119	44 - 136
4-Bromophenyl phenyl ether	3.33	2.77		mg/Kg		83	67 - 113
4-Chloro-3-methylphenol	3.33	2.82		mg/Kg		85	66 - 114
4-Chloroaniline	3.33	1.88		mg/Kg		56	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.87		mg/Kg		86	66 - 110
4-Methylphenol	3.33	2.70		mg/Kg		81	61 - 108
4-Nitroaniline	3.33	2.60		mg/Kg		78	50 - 110
4-Nitrophenol	6.67	4.74		mg/Kg		71	47 - 123
Acenaphthene	3.33	2.52		mg/Kg		76	53 - 110
Acenaphthylene	3.33	2.79		mg/Kg		84	64 - 108
Acetophenone	3.33	2.62		mg/Kg		79	61 - 103
Anthracene	3.33	2.83		mg/Kg		85	67 - 114

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-776589/2-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	1.33	1.34		mg/Kg		101	44 - 145
Benzaldehyde	1.33	1.02		mg/Kg		77	43 - 150
Benzo[a]anthracene	3.33	2.54		mg/Kg		76	67 - 115
Benzo[a]pyrene	3.33	3.29		mg/Kg		99	73 - 123
Benzo[b]fluoranthene	3.33	2.97		mg/Kg		89	70 - 125
Benzo[g,h,i]perylene	3.33	2.91		mg/Kg		87	61 - 113
Benzo[k]fluoranthene	3.33	3.36		mg/Kg		101	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.45		mg/Kg		73	62 - 107
Bis(2-chloroethyl)ether	3.33	2.71		mg/Kg		81	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.70		mg/Kg		81	59 - 111
Butyl benzyl phthalate	3.33	2.89		mg/Kg		87	62 - 113
Caprolactam	1.33	1.32		mg/Kg		99	59 - 140
Carbazole	3.33	2.53		mg/Kg		76	64 - 113
Chrysene	3.33	2.92		mg/Kg		88	71 - 122
Dibenz(a,h)anthracene	3.33	3.10		mg/Kg		93	66 - 119
Dibenzofuran	3.33	2.79		mg/Kg		84	65 - 108
Diethyl phthalate	3.33	2.81		mg/Kg		84	63 - 109
Dimethyl phthalate	3.33	2.93		mg/Kg		88	65 - 109
Di-n-butyl phthalate	3.33	2.69		mg/Kg		81	66 - 114
Di-n-octyl phthalate	3.33	3.11		mg/Kg		93	65 - 122
Fluoranthene	3.33	2.66		mg/Kg		80	61 - 106
Fluorene	3.33	2.77		mg/Kg		83	65 - 109
Hexachlorobenzene	3.33	3.07		mg/Kg		92	61 - 113
Hexachlorobutadiene	3.33	3.19		mg/Kg		96	62 - 109
Hexachlorocyclopentadiene	3.33	2.98		mg/Kg		89	42 - 118
Hexachloroethane	3.33	2.90		mg/Kg		87	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.01		mg/Kg		90	62 - 121
Isophorone	3.33	2.78		mg/Kg		83	63 - 107
Naphthalene	3.33	2.71		mg/Kg		81	63 - 106
Nitrobenzene	3.33	3.01		mg/Kg		90	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.68		mg/Kg		80	61 - 108
N-Nitrosodiphenylamine	3.33	2.69		mg/Kg		81	67 - 113
Pentachlorophenol	6.67	5.20		mg/Kg		78	44 - 126
Phenanthrene	3.33	2.60		mg/Kg		78	66 - 112
Phenol	3.33	2.62		mg/Kg		78	63 - 110
Pyrene	3.33	2.84		mg/Kg		85	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*10 - 123*
2-Fluorobiphenyl	*80*		*14 - 103*
2-Fluorophenol (Surr)	*77*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*74*		*15 - 100*
Terphenyl-d14 (Surr)	*94*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776589/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 776688
Prep Batch: 776589

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.78		mg/Kg		83	65 - 110	0	30
1,2,4,5-Tetrachlorobenzene			3.33	2.87		mg/Kg		86	64 - 110	3	30
1,4-Dioxane			3.33	1.62		mg/Kg		49	31 - 81	2	30
2,2'-oxybis[1-chloropropane]			3.33	2.46		mg/Kg		74	49 - 109	5	30
2,3,4,6-Tetrachlorophenol			3.33	3.09		mg/Kg		93	58 - 113	3	30
2,4,5-Trichlorophenol			3.33	2.86		mg/Kg		86	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	2.94		mg/Kg		88	63 - 113	0	30
2,4-Dichlorophenol			3.33	2.86		mg/Kg		86	66 - 113	3	30
2,4-Dimethylphenol			3.33	2.66		mg/Kg		80	63 - 107	1	30
2,4-Dinitrophenol			6.67	8.24		mg/Kg		124	25 - 150	9	30
2,4-Dinitrotoluene			3.33	3.54		mg/Kg		106	65 - 124	3	30
2,6-Dinitrotoluene			3.33	3.90		mg/Kg		117	67 - 121	4	30
2-Chloronaphthalene			3.33	2.83		mg/Kg		85	65 - 109	0	30
2-Chlorophenol			3.33	2.73		mg/Kg		82	63 - 106	6	30
2-Methylnaphthalene			3.33	2.66		mg/Kg		80	64 - 108	1	30
2-Methylphenol			3.33	2.73		mg/Kg		82	63 - 108	4	30
2-Nitroaniline			3.33	2.52		mg/Kg		75	59 - 119	1	30
2-Nitrophenol			3.33	3.44		mg/Kg		103	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	1.81		mg/Kg		54	17 - 101	8	30
3-Nitroaniline			3.33	2.70		mg/Kg		81	31 - 102	8	30
4,6-Dinitro-2-methylphenol			6.67	8.37		mg/Kg		126	44 - 136	5	30
4-Bromophenyl phenyl ether			3.33	2.86		mg/Kg		86	67 - 113	3	30
4-Chloro-3-methylphenol			3.33	2.89		mg/Kg		87	66 - 114	2	30
4-Chloroaniline			3.33	2.12		mg/Kg		64	20 - 98	12	30
4-Chlorophenyl phenyl ether			3.33	2.98		mg/Kg		89	66 - 110	4	30
4-Methylphenol			3.33	2.51		mg/Kg		75	61 - 108	7	30
4-Nitroaniline			3.33	3.21		mg/Kg		96	50 - 110	21	30
4-Nitrophenol			6.67	5.46		mg/Kg		82	47 - 123	14	30
Acenaphthene			3.33	2.56		mg/Kg		77	53 - 110	2	30
Acenaphthylene			3.33	2.78		mg/Kg		83	64 - 108	1	30
Acetophenone			3.33	2.46		mg/Kg		74	61 - 103	6	30
Anthracene			3.33	2.83		mg/Kg		85	67 - 114	0	30
Atrazine			1.33	1.53		mg/Kg		115	44 - 145	13	30
Benzaldehyde			1.33	1.07		mg/Kg		80	43 - 150	5	30
Benzo[a]anthracene			3.33	2.70		mg/Kg		81	67 - 115	6	30
Benzo[a]pyrene			3.33	3.48		mg/Kg		104	73 - 123	6	30
Benzo[b]fluoranthene			3.33	3.19		mg/Kg		96	70 - 125	7	30
Benzo[g,h,i]perylene			3.33	3.11		mg/Kg		93	61 - 113	7	30
Benzo[k]fluoranthene			3.33	3.44		mg/Kg		103	67 - 115	2	30
Bis(2-chloroethoxy)methane			3.33	2.45		mg/Kg		74	62 - 107	0	30
Bis(2-chloroethyl)ether			3.33	2.58		mg/Kg		77	60 - 107	5	30
Bis(2-ethylhexyl) phthalate			3.33	2.86		mg/Kg		86	59 - 111	6	30
Butyl benzyl phthalate			3.33	2.97		mg/Kg		89	62 - 113	3	30
Caprolactam			1.33	1.40		mg/Kg		105	59 - 140	5	30
Carbazole			3.33	2.76		mg/Kg		83	64 - 113	9	30
Chrysene			3.33	3.08		mg/Kg		92	71 - 122	5	30
Dibenz(a,h)anthracene			3.33	3.31		mg/Kg		99	66 - 119	6	30
Dibenzofuran			3.33	2.83		mg/Kg		85	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-776589/3-A
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776589

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	2.90		mg/Kg		87	63 - 109	3	30
Dimethyl phthalate			3.33	2.96		mg/Kg		89	65 - 109	1	30
Di-n-butyl phthalate			3.33	2.83		mg/Kg		85	66 - 114	5	30
Di-n-octyl phthalate			3.33	3.33		mg/Kg		100	65 - 122	7	30
Fluoranthene			3.33	2.82		mg/Kg		85	61 - 106	6	30
Fluorene			3.33	2.82		mg/Kg		84	65 - 109	2	30
Hexachlorobenzene			3.33	3.24		mg/Kg		97	61 - 113	5	30
Hexachlorobutadiene			3.33	3.12		mg/Kg		94	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.89		mg/Kg		87	42 - 118	3	30
Hexachloroethane			3.33	2.82		mg/Kg		85	61 - 102	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.04		mg/Kg		91	62 - 121	1	30
Isophorone			3.33	2.78		mg/Kg		83	63 - 107	0	30
Naphthalene			3.33	2.67		mg/Kg		80	63 - 106	1	30
Nitrobenzene			3.33	2.81		mg/Kg		84	63 - 110	7	30
N-Nitrosodi-n-propylamine			3.33	2.54		mg/Kg		76	61 - 108	5	30
N-Nitrosodiphenylamine			3.33	2.75		mg/Kg		82	67 - 113	2	30
Pentachlorophenol			6.67	5.61		mg/Kg		84	44 - 126	7	30
Phenanthrene			3.33	2.72		mg/Kg		82	66 - 112	5	30
Phenol			3.33	2.50		mg/Kg		75	63 - 110	4	30
Pyrene			3.33	3.00		mg/Kg		90	61 - 111	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*103*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*73*		*10 - 105*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*
Phenol-d5 (Surr)	*70*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: 460-233674-A-1-A MS
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.38	U	3.80	3.16		mg/Kg	☼	83	65 - 110
1,2,4,5-Tetrachlorobenzene	0.38	U	3.80	3.08		mg/Kg	☼	81	64 - 110
1,4-Dioxane	0.038	U	3.80	1.48		mg/Kg	☼	39	31 - 81
2,2'-oxybis[1-chloropropane]	0.38	U	3.80	2.21		mg/Kg	☼	58	49 - 109
2,3,4,6-Tetrachlorophenol	0.38	U	3.80	3.66		mg/Kg	☼	96	58 - 113
2,4,5-Trichlorophenol	0.38	U	3.80	3.56		mg/Kg	☼	94	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.80	3.55		mg/Kg	☼	94	63 - 113
2,4-Dichlorophenol	0.15	U	3.80	3.21		mg/Kg	☼	85	66 - 113
2,4-Dimethylphenol	0.38	U	3.80	2.91		mg/Kg	☼	77	63 - 107
2,4-Dinitrophenol	0.30	U	7.59	10.1		mg/Kg	☼	133	25 - 150
2,4-Dinitrotoluene	0.076	U	3.80	4.22		mg/Kg	☼	111	65 - 124
2,6-Dinitrotoluene	0.076	U	3.80	4.69	*	mg/Kg	☼	124	67 - 121
2-Chloronaphthalene	0.38	U	3.80	3.09		mg/Kg	☼	81	65 - 109
2-Chlorophenol	0.38	U	3.80	2.52		mg/Kg	☼	67	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233674-A-1-A MS
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.38	U	3.80	2.80		mg/Kg	☼	74	64 - 108
2-Methylphenol	0.38	U	3.80	2.89		mg/Kg	☼	76	63 - 108
2-Nitroaniline	0.38	U	3.80	3.03		mg/Kg	☼	80	59 - 119
2-Nitrophenol	0.38	U	3.80	3.22		mg/Kg	☼	85	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.80	3.09		mg/Kg	☼	82	17 - 101
3-Nitroaniline	0.38	U	3.80	3.38		mg/Kg	☼	89	31 - 102
4,6-Dinitro-2-methylphenol	0.30	U	7.59	9.99		mg/Kg	☼	132	44 - 136
4-Bromophenyl phenyl ether	0.38	U	3.80	3.39		mg/Kg	☼	89	67 - 113
4-Chloro-3-methylphenol	0.38	U	3.80	3.45		mg/Kg	☼	91	66 - 114
4-Chloroaniline	0.38	U	3.80	2.75		mg/Kg	☼	73	20 - 98
4-Chlorophenyl phenyl ether	0.38	U	3.80	3.58		mg/Kg	☼	94	66 - 110
4-Methylphenol	0.38	U	3.80	2.82		mg/Kg	☼	74	61 - 108
4-Nitroaniline	0.38	U	3.80	3.01		mg/Kg	☼	79	50 - 110
4-Nitrophenol	0.76	U	7.59	6.14		mg/Kg	☼	81	47 - 123
Acenaphthene	0.38	U	3.80	2.98		mg/Kg	☼	78	53 - 110
Acenaphthylene	0.38	U	3.80	3.22		mg/Kg	☼	85	64 - 108
Acetophenone	0.38	U	3.80	2.31		mg/Kg	☼	61	61 - 103
Anthracene	0.38	U	3.80	3.51		mg/Kg	☼	93	67 - 114
Atrazine	0.15	U	1.52	1.72		mg/Kg	☼	113	44 - 145
Benzaldehyde	0.38	U	1.52	0.875		mg/Kg	☼	58	43 - 150
Benzo[a]anthracene	0.038	U	3.80	3.16		mg/Kg	☼	83	67 - 115
Benzo[a]pyrene	0.038	U	3.80	4.15		mg/Kg	☼	109	73 - 123
Benzo[b]fluoranthene	0.038	U	3.80	3.83		mg/Kg	☼	101	70 - 125
Benzo[g,h,i]perylene	0.38	U	3.80	3.58		mg/Kg	☼	94	61 - 113
Benzo[k]fluoranthene	0.038	U	3.80	4.15		mg/Kg	☼	109	67 - 115
Bis(2-chloroethoxy)methane	0.38	U	3.80	2.48		mg/Kg	☼	65	62 - 107
Bis(2-chloroethyl)ether	0.038	U	3.80	2.35		mg/Kg	☼	62	60 - 107
Bis(2-ethylhexyl) phthalate	0.38	U	3.80	3.41		mg/Kg	☼	90	59 - 111
Butyl benzyl phthalate	0.38	U	3.80	3.62		mg/Kg	☼	95	62 - 113
Caprolactam	0.38	U	1.52	1.75	E	mg/Kg	☼	115	59 - 140
Carbazole	0.38	U	3.80	3.29		mg/Kg	☼	87	64 - 113
Chrysene	0.38	U	3.80	3.63		mg/Kg	☼	96	71 - 122
Dibenz(a,h)anthracene	0.038	U	3.80	3.83		mg/Kg	☼	101	66 - 119
Dibenzofuran	0.38	U	3.80	3.34		mg/Kg	☼	88	65 - 108
Diethyl phthalate	0.38	U	3.80	3.50		mg/Kg	☼	92	63 - 109
Dimethyl phthalate	0.38	U	3.80	3.50		mg/Kg	☼	92	65 - 109
Di-n-butyl phthalate	0.38	U	3.80	3.39		mg/Kg	☼	89	66 - 114
Di-n-octyl phthalate	0.38	U	3.80	3.97		mg/Kg	☼	105	65 - 122
Fluoranthene	0.38	U	3.80	3.48		mg/Kg	☼	92	61 - 106
Fluorene	0.38	U	3.80	3.34		mg/Kg	☼	88	65 - 109
Hexachlorobenzene	0.038	U	3.80	3.79		mg/Kg	☼	100	61 - 113
Hexachlorobutadiene	0.076	U	3.80	2.77		mg/Kg	☼	73	62 - 109
Hexachlorocyclopentadiene	0.38	U	3.80	2.22		mg/Kg	☼	59	42 - 118
Hexachloroethane	0.038	U	3.80	2.40		mg/Kg	☼	63	61 - 102
Indeno[1,2,3-cd]pyrene	0.038	U	3.80	3.62		mg/Kg	☼	95	62 - 121
Isophorone	0.15	U	3.80	2.89		mg/Kg	☼	76	63 - 107
Naphthalene	0.38	U	3.80	2.50		mg/Kg	☼	66	63 - 106
Nitrobenzene	0.038	U	3.80	2.72		mg/Kg	☼	72	63 - 110
N-Nitrosodi-n-propylamine	0.038	U	3.80	2.56		mg/Kg	☼	68	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233674-A-1-A MS
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.38	U	3.80	3.28		mg/Kg	☼	86	67 - 113
Pentachlorophenol	0.30	U	7.59	7.15		mg/Kg	☼	94	44 - 126
Phenanthrene	0.38	U	3.80	3.23		mg/Kg	☼	85	66 - 112
Phenol	0.38	U	3.80	2.50		mg/Kg	☼	66	63 - 110
Pyrene	0.38	U	3.80	3.56		mg/Kg	☼	94	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*10 - 123*
2-Fluorobiphenyl	*77*		*14 - 103*
2-Fluorophenol (Surr)	*60*		*10 - 105*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*
Phenol-d5 (Surr)	*63*		*15 - 100*
Terphenyl-d14 (Surr)	*102*		*12 - 126*

Lab Sample ID: 460-233674-A-1-B MSD
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.38	U	3.80	3.31		mg/Kg	☼	87	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.80	3.22		mg/Kg	☼	85	64 - 110	4	30
1,4-Dioxane	0.038	U	3.80	1.50		mg/Kg	☼	39	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.80	2.25		mg/Kg	☼	59	49 - 109	2	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.80	3.97		mg/Kg	☼	105	58 - 113	8	30
2,4,5-Trichlorophenol	0.38	U	3.80	3.74		mg/Kg	☼	99	64 - 112	5	30
2,4,6-Trichlorophenol	0.15	U	3.80	3.81		mg/Kg	☼	100	63 - 113	7	30
2,4-Dichlorophenol	0.15	U	3.80	3.50		mg/Kg	☼	92	66 - 113	9	30
2,4-Dimethylphenol	0.38	U	3.80	3.21		mg/Kg	☼	85	63 - 107	10	30
2,4-Dinitrophenol	0.30	U	7.59	10.6		mg/Kg	☼	139	25 - 150	5	30
2,4-Dinitrotoluene	0.076	U	3.80	4.48		mg/Kg	☼	118	65 - 124	6	30
2,6-Dinitrotoluene	0.076	U	3.80	4.88	*	mg/Kg	☼	129	67 - 121	4	30
2-Chloronaphthalene	0.38	U	3.80	3.34		mg/Kg	☼	88	65 - 109	8	30
2-Chlorophenol	0.38	U	3.80	2.51		mg/Kg	☼	66	63 - 106	1	30
2-Methylnaphthalene	0.38	U	3.80	2.93		mg/Kg	☼	77	64 - 108	5	30
2-Methylphenol	0.38	U	3.80	2.88		mg/Kg	☼	76	63 - 108	0	30
2-Nitroaniline	0.38	U	3.80	3.22		mg/Kg	☼	85	59 - 119	6	30
2-Nitrophenol	0.38	U	3.80	3.27		mg/Kg	☼	86	64 - 112	1	30
3,3'-Dichlorobenzidine	0.15	U	3.80	3.35		mg/Kg	☼	88	17 - 101	8	30
3-Nitroaniline	0.38	U	3.80	3.76		mg/Kg	☼	99	31 - 102	11	30
4,6-Dinitro-2-methylphenol	0.30	U	7.59	10.5	*	mg/Kg	☼	139	44 - 136	5	30
4-Bromophenyl phenyl ether	0.38	U	3.80	3.63		mg/Kg	☼	96	67 - 113	7	30
4-Chloro-3-methylphenol	0.38	U	3.80	3.70		mg/Kg	☼	98	66 - 114	7	30
4-Chloroaniline	0.38	U	3.80	3.06		mg/Kg	☼	81	20 - 98	10	30
4-Chlorophenyl phenyl ether	0.38	U	3.80	3.73		mg/Kg	☼	98	66 - 110	4	30
4-Methylphenol	0.38	U	3.80	2.82		mg/Kg	☼	74	61 - 108	0	30
4-Nitroaniline	0.38	U	3.80	3.43		mg/Kg	☼	90	50 - 110	13	30
4-Nitrophenol	0.76	U	7.59	7.17		mg/Kg	☼	94	47 - 123	15	30
Acenaphthene	0.38	U	3.80	3.14		mg/Kg	☼	83	53 - 110	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-233674-A-1-B MSD
Matrix: Solid
Analysis Batch: 776688

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.38	U	3.80	3.48		mg/Kg	☼	92	64 - 108	8	30
Acetophenone	0.38	U	3.80	2.38		mg/Kg	☼	63	61 - 103	3	30
Anthracene	0.38	U	3.80	3.76		mg/Kg	☼	99	67 - 114	7	30
Atrazine	0.15	U	1.52	1.84		mg/Kg	☼	121	44 - 145	7	30
Benzaldehyde	0.38	U	1.52	0.876		mg/Kg	☼	58	43 - 150	0	30
Benzo[a]anthracene	0.038	U	3.80	3.44		mg/Kg	☼	91	67 - 115	9	30
Benzo[a]pyrene	0.038	U	3.80	4.41		mg/Kg	☼	116	73 - 123	6	30
Benzo[b]fluoranthene	0.038	U	3.80	4.08		mg/Kg	☼	108	70 - 125	6	30
Benzo[g,h,i]perylene	0.38	U	3.80	3.94		mg/Kg	☼	104	61 - 113	9	30
Benzo[k]fluoranthene	0.038	U	3.80	4.38	*	mg/Kg	☼	116	67 - 115	5	30
Bis(2-chloroethoxy)methane	0.38	U	3.80	2.53		mg/Kg	☼	67	62 - 107	2	30
Bis(2-chloroethyl)ether	0.038	U	3.80	2.14	*	mg/Kg	☼	57	60 - 107	9	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.80	3.62		mg/Kg	☼	95	59 - 111	6	30
Butyl benzyl phthalate	0.38	U	3.80	3.85		mg/Kg	☼	101	62 - 113	6	30
Caprolactam	0.38	U	1.52	1.89	E	mg/Kg	☼	124	59 - 140	8	30
Carbazole	0.38	U	3.80	3.55		mg/Kg	☼	93	64 - 113	8	30
Chrysene	0.38	U	3.80	3.92		mg/Kg	☼	103	71 - 122	8	30
Dibenz(a,h)anthracene	0.038	U	3.80	4.18		mg/Kg	☼	110	66 - 119	9	30
Dibenzofuran	0.38	U	3.80	3.51		mg/Kg	☼	92	65 - 108	5	30
Diethyl phthalate	0.38	U	3.80	3.71		mg/Kg	☼	98	63 - 109	6	30
Dimethyl phthalate	0.38	U	3.80	3.75		mg/Kg	☼	99	65 - 109	7	30
Di-n-butyl phthalate	0.38	U	3.80	3.62		mg/Kg	☼	95	66 - 114	6	30
Di-n-octyl phthalate	0.38	U	3.80	4.23		mg/Kg	☼	111	65 - 122	6	30
Fluoranthene	0.38	U	3.80	3.76		mg/Kg	☼	99	61 - 106	8	30
Fluorene	0.38	U	3.80	3.58		mg/Kg	☼	94	65 - 109	7	30
Hexachlorobenzene	0.038	U	3.80	4.04		mg/Kg	☼	106	61 - 113	6	30
Hexachlorobutadiene	0.076	U	3.80	2.77		mg/Kg	☼	73	62 - 109	0	30
Hexachlorocyclopentadiene	0.38	U	3.80	2.14		mg/Kg	☼	56	42 - 118	4	30
Hexachloroethane	0.038	U	3.80	2.45		mg/Kg	☼	65	61 - 102	2	30
Indeno[1,2,3-cd]pyrene	0.038	U	3.80	4.11		mg/Kg	☼	108	62 - 121	13	30
Isophorone	0.15	U	3.80	3.13		mg/Kg	☼	82	63 - 107	8	30
Naphthalene	0.38	U	3.80	2.55		mg/Kg	☼	67	63 - 106	2	30
Nitrobenzene	0.038	U	3.80	2.67		mg/Kg	☼	70	63 - 110	2	30
N-Nitrosodi-n-propylamine	0.038	U	3.80	2.69		mg/Kg	☼	71	61 - 108	5	30
N-Nitrosodiphenylamine	0.38	U	3.80	3.52		mg/Kg	☼	93	67 - 113	7	30
Pentachlorophenol	0.30	U	7.59	7.50		mg/Kg	☼	99	44 - 126	5	30
Phenanthrene	0.38	U	3.80	3.47		mg/Kg	☼	91	66 - 112	7	30
Phenol	0.38	U	3.80	2.54		mg/Kg	☼	67	63 - 110	2	30
Pyrene	0.38	U	3.80	3.76		mg/Kg	☼	99	61 - 111	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*113*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*56*		*10 - 105*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*
Phenol-d5 (Surr)	*62*		*15 - 100*
Terphenyl-d14 (Surr)	*105*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777163/1-A
Matrix: Solid
Analysis Batch: 777270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777163

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/11/21 10:06	05/11/21 17:39	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/11/21 10:06	05/11/21 17:39	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/11/21 10:06	05/11/21 17:39	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/11/21 10:06	05/11/21 17:39	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/11/21 10:06	05/11/21 17:39	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/11/21 10:06	05/11/21 17:39	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/11/21 10:06	05/11/21 17:39	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/11/21 10:06	05/11/21 17:39	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/11/21 10:06	05/11/21 17:39	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/11/21 10:06	05/11/21 17:39	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/11/21 10:06	05/11/21 17:39	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/11/21 10:06	05/11/21 17:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*33 - 150*	*05/11/21 10:06*	*05/11/21 17:39*	*1*
2-Fluorobiphenyl	*107*		*42 - 127*	*05/11/21 10:06*	*05/11/21 17:39*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*05/11/21 10:06*	*05/11/21 17:39*	*1*
Nitrobenzene-d5 (Surr)	*106*		*46 - 137*	*05/11/21 10:06*	*05/11/21 17:39*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/11/21 10:06*	*05/11/21 17:39*	*1*
Terphenyl-d14 (Surr)	*122*		*39 - 150*	*05/11/21 10:06*	*05/11/21 17:39*	*1*

Lab Sample ID: LCS 460-777163/2-A
Matrix: Solid
Analysis Batch: 777270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777163

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0731		mg/L		91	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0716		mg/L		90	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0749		mg/L		94	66 - 117
3 & 4 Methylphenol	0.0800	0.0510		mg/L		64	43 - 78
2,4-Dinitrotoluene	0.0800	0.0709		mg/L		89	68 - 134
Pyridine	0.160	0.0698		mg/L		44	13 - 71
2-Methylphenol	0.0800	0.0562		mg/L		70	48 - 88
Hexachlorobenzene	0.0800	0.0737		mg/L		92	61 - 117
Hexachlorobutadiene	0.0800	0.0793		mg/L		99	10 - 133
Hexachloroethane	0.0800	0.0753		mg/L		94	17 - 115
Nitrobenzene	0.0800	0.0800		mg/L		100	71 - 116
Pentachlorophenol	0.160	0.129		mg/L		81	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 150*
2-Fluorobiphenyl	*93*		*42 - 127*
2-Fluorophenol (Surr)	*51*		*18 - 72*
Nitrobenzene-d5 (Surr)	*97*		*46 - 137*
Phenol-d5 (Surr)	*34*		*10 - 50*
Terphenyl-d14 (Surr)	*104*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777163/3-A
Matrix: Solid
Analysis Batch: 777270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777163

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0733		mg/L		92	40 - 102	0	30
2,4,5-Trichlorophenol			0.0800	0.0707		mg/L		88	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0758		mg/L		95	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0503		mg/L		63	43 - 78	1	30
2,4-Dinitrotoluene			0.0800	0.0669		mg/L		84	68 - 134	6	30
Pyridine			0.160	0.0697		mg/L		44	13 - 71	0	30
2-Methylphenol			0.0800	0.0548		mg/L		68	48 - 88	3	30
Hexachlorobenzene			0.0800	0.0710		mg/L		89	61 - 117	4	30
Hexachlorobutadiene			0.0800	0.0816		mg/L		102	10 - 133	3	30
Hexachloroethane			0.0800	0.0730		mg/L		91	17 - 115	3	30
Nitrobenzene			0.0800	0.0819		mg/L		102	71 - 116	2	30
Pentachlorophenol			0.160	0.125		mg/L		78	54 - 131	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*33 - 150*
2-Fluorobiphenyl	*94*		*42 - 127*
2-Fluorophenol (Surr)	*51*		*18 - 72*
Nitrobenzene-d5 (Surr)	*97*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*103*		*39 - 150*

Lab Sample ID: LB 460-776324/1-B
Matrix: Solid
Analysis Batch: 776525

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776467

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/07/21 10:36	05/07/21 22:54	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/07/21 10:36	05/07/21 22:54	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/07/21 10:36	05/07/21 22:54	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/07/21 10:36	05/07/21 22:54	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/07/21 10:36	05/07/21 22:54	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/07/21 10:36	05/07/21 22:54	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/07/21 10:36	05/07/21 22:54	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/07/21 10:36	05/07/21 22:54	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/07/21 10:36	05/07/21 22:54	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/07/21 10:36	05/07/21 22:54	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/07/21 10:36	05/07/21 22:54	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/07/21 10:36	05/07/21 22:54	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*33 - 150*	*05/07/21 10:36*	*05/07/21 22:54*	*1*
2-Fluorobiphenyl	*63*		*42 - 127*	*05/07/21 10:36*	*05/07/21 22:54*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*05/07/21 10:36*	*05/07/21 22:54*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 137*	*05/07/21 10:36*	*05/07/21 22:54*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*05/07/21 10:36*	*05/07/21 22:54*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 150*	*05/07/21 10:36*	*05/07/21 22:54*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-777020/1-B
Matrix: Solid
Analysis Batch: 777270

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777163

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/11/21 10:06	05/11/21 20:15	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/11/21 10:06	05/11/21 20:15	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/11/21 10:06	05/11/21 20:15	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/11/21 10:06	05/11/21 20:15	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/11/21 10:06	05/11/21 20:15	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/11/21 10:06	05/11/21 20:15	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/11/21 10:06	05/11/21 20:15	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/11/21 10:06	05/11/21 20:15	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/11/21 10:06	05/11/21 20:15	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/11/21 10:06	05/11/21 20:15	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/11/21 10:06	05/11/21 20:15	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/11/21 10:06	05/11/21 20:15	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*33 - 150*	*05/11/21 10:06*	*05/11/21 20:15*	*1*
2-Fluorobiphenyl	*110*		*42 - 127*	*05/11/21 10:06*	*05/11/21 20:15*	*1*
2-Fluorophenol (Surr)	*62*		*18 - 72*	*05/11/21 10:06*	*05/11/21 20:15*	*1*
Nitrobenzene-d5 (Surr)	*116*		*46 - 137*	*05/11/21 10:06*	*05/11/21 20:15*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*05/11/21 10:06*	*05/11/21 20:15*	*1*
Terphenyl-d14 (Surr)	*132*		*39 - 150*	*05/11/21 10:06*	*05/11/21 20:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-776200/1-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-776200/1-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/06/21 09:29	05/07/21 04:58	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/06/21 09:29	05/07/21 04:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*10 - 150*	*05/06/21 09:29*	*05/07/21 04:58*	*1*
DCB Decachlorobiphenyl	*111*		*10 - 150*	*05/06/21 09:29*	*05/07/21 04:58*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*05/06/21 09:29*	*05/07/21 04:58*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*05/06/21 09:29*	*05/07/21 04:58*	*1*

Lab Sample ID: LCS 460-776200/2-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.135		mg/Kg		101	70 - 140
4,4'-DDD	0.133	0.145		mg/Kg		109	70 - 140
4,4'-DDE	0.133	0.135		mg/Kg		101	71 - 137
4,4'-DDE	0.133	0.143		mg/Kg		107	71 - 137
4,4'-DDT	0.133	0.135		mg/Kg		102	63 - 131
4,4'-DDT	0.133	0.145		mg/Kg		109	63 - 131
Aldrin	0.133	0.129		mg/Kg		96	74 - 140
Aldrin	0.133	0.137		mg/Kg		102	74 - 140
alpha-BHC	0.133	0.132		mg/Kg		99	72 - 142
alpha-BHC	0.133	0.137		mg/Kg		102	72 - 142
beta-BHC	0.133	0.135		mg/Kg		101	65 - 137
beta-BHC	0.133	0.138		mg/Kg		103	65 - 137
delta-BHC	0.133	0.133		mg/Kg		100	70 - 143
delta-BHC	0.133	0.137		mg/Kg		103	70 - 143
Dieldrin	0.133	0.135		mg/Kg		101	70 - 135
Dieldrin	0.133	0.142		mg/Kg		107	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-776200/2-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776200

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan I			0.133	0.128		mg/Kg		96	68 - 135		
Endosulfan I			0.133	0.139		mg/Kg		104	68 - 135		
Endosulfan II			0.133	0.140		mg/Kg		105	64 - 130		
Endosulfan II			0.133	0.150		mg/Kg		113	64 - 130		
Endosulfan sulfate			0.133	0.140		mg/Kg		105	66 - 143		
Endosulfan sulfate			0.133	0.151		mg/Kg		113	66 - 143		
Endrin			0.133	0.136		mg/Kg		102	68 - 136		
Endrin			0.133	0.142		mg/Kg		106	68 - 136		
Endrin aldehyde			0.133	0.125		mg/Kg		94	68 - 132		
Endrin aldehyde			0.133	0.130		mg/Kg		98	68 - 132		
Endrin ketone			0.133	0.122		mg/Kg		92	60 - 150		
Endrin ketone			0.133	0.129		mg/Kg		96	60 - 150		
gamma-BHC (Lindane)			0.133	0.131		mg/Kg		99	70 - 134		
gamma-BHC (Lindane)			0.133	0.136		mg/Kg		102	70 - 134		
Heptachlor			0.133	0.132		mg/Kg		99	69 - 134		
Heptachlor			0.133	0.139		mg/Kg		105	69 - 134		
Heptachlor epoxide			0.133	0.130		mg/Kg		98	70 - 135		
Heptachlor epoxide			0.133	0.137		mg/Kg		103	70 - 135		
Methoxychlor			0.133	0.132		mg/Kg		99	57 - 135		
Methoxychlor			0.133	0.137		mg/Kg		103	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*91*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*90*		*10 - 133*

Lab Sample ID: LCSD 460-776200/3-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.140		mg/Kg		105	70 - 140	4	30
4,4'-DDD			0.133	0.150		mg/Kg		112	70 - 140	3	30
4,4'-DDE			0.133	0.141		mg/Kg		106	71 - 137	4	30
4,4'-DDE			0.133	0.147		mg/Kg		110	71 - 137	2	30
4,4'-DDT			0.133	0.140		mg/Kg		105	63 - 131	3	30
4,4'-DDT			0.133	0.150		mg/Kg		113	63 - 131	3	30
Aldrin			0.133	0.134		mg/Kg		101	74 - 140	4	30
Aldrin			0.133	0.139		mg/Kg		104	74 - 140	2	30
alpha-BHC			0.133	0.137		mg/Kg		103	72 - 142	4	30
alpha-BHC			0.133	0.140		mg/Kg		105	72 - 142	3	30
beta-BHC			0.133	0.141		mg/Kg		106	65 - 137	4	30
beta-BHC			0.133	0.144		mg/Kg		108	65 - 137	5	30
delta-BHC			0.133	0.139		mg/Kg		104	70 - 143	4	30
delta-BHC			0.133	0.140		mg/Kg		105	70 - 143	3	30
Dieldrin			0.133	0.140		mg/Kg		105	70 - 135	4	30
Dieldrin			0.133	0.147		mg/Kg		110	70 - 135	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-776200/3-A
Matrix: Solid
Analysis Batch: 776353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			0.133	0.134		mg/Kg		101	68 - 135	4	30
Endosulfan I			0.133	0.143		mg/Kg		107	68 - 135	2	30
Endosulfan II			0.133	0.145		mg/Kg		109	64 - 130	4	30
Endosulfan II			0.133	0.155		mg/Kg		116	64 - 130	3	30
Endosulfan sulfate			0.133	0.144		mg/Kg		108	66 - 143	3	30
Endosulfan sulfate			0.133	0.156		mg/Kg		117	66 - 143	3	30
Endrin			0.133	0.142		mg/Kg		106	68 - 136	4	30
Endrin			0.133	0.147		mg/Kg		110	68 - 136	4	30
Endrin aldehyde			0.133	0.129		mg/Kg		97	68 - 132	3	30
Endrin aldehyde			0.133	0.135		mg/Kg		101	68 - 132	3	30
Endrin ketone			0.133	0.125		mg/Kg		94	60 - 150	2	30
Endrin ketone			0.133	0.133		mg/Kg		99	60 - 150	3	30
gamma-BHC (Lindane)			0.133	0.137		mg/Kg		103	70 - 134	4	30
gamma-BHC (Lindane)			0.133	0.141		mg/Kg		106	70 - 134	3	30
Heptachlor			0.133	0.137		mg/Kg		103	69 - 134	4	30
Heptachlor			0.133	0.142		mg/Kg		107	69 - 134	2	30
Heptachlor epoxide			0.133	0.136		mg/Kg		102	70 - 135	4	30
Heptachlor epoxide			0.133	0.140		mg/Kg		105	70 - 135	3	30
Methoxychlor			0.133	0.136		mg/Kg		102	57 - 135	3	30
Methoxychlor			0.133	0.141		mg/Kg		106	57 - 135	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*89*		*10 - 133*
Tetrachloro-m-xylene	*95*		*10 - 133*

Lab Sample ID: MB 460-776560/1-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:37	05/10/21 04:56	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:37	05/10/21 04:56	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:37	05/10/21 04:56	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:37	05/10/21 04:56	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:37	05/10/21 04:56	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:37	05/10/21 04:56	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:37	05/10/21 04:56	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:37	05/10/21 04:56	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:37	05/10/21 04:56	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:37	05/10/21 04:56	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:37	05/10/21 04:56	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:37	05/10/21 04:56	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:37	05/10/21 04:56	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:37	05/10/21 04:56	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-776560/1-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776560

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		10 - 150	05/07/21 19:37	05/10/21 04:56	1
DCB Decachlorobiphenyl	98		10 - 150	05/07/21 19:37	05/10/21 04:56	1
Tetrachloro-m-xylene	90		10 - 150	05/07/21 19:37	05/10/21 04:56	1
Tetrachloro-m-xylene	91		10 - 150	05/07/21 19:37	05/10/21 04:56	1

Lab Sample ID: LCS 460-776560/2-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000746		mg/L		93	64 - 130
cis-Chlordane	0.000800	0.000783		mg/L		98	64 - 130
trans-Chlordane	0.000800	0.000759		mg/L		95	65 - 132
trans-Chlordane	0.000800	0.000787		mg/L		98	65 - 132
Endrin	0.000800	0.000796		mg/L		100	67 - 132
Endrin	0.000800	0.000835		mg/L		104	67 - 132
gamma-BHC (Lindane)	0.000800	0.000724		mg/L		91	65 - 134
gamma-BHC (Lindane)	0.000800	0.000769		mg/L		96	65 - 134
Heptachlor	0.000800	0.000739		mg/L		92	63 - 128
Heptachlor	0.000800	0.000782		mg/L		98	63 - 128
Heptachlor epoxide	0.000800	0.000751		mg/L		94	66 - 128
Heptachlor epoxide	0.000800	0.000782		mg/L		98	66 - 128
Methoxychlor	0.000800	0.000782		mg/L		98	42 - 151
Methoxychlor	0.000800	0.000804		mg/L		101	42 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	90		10 - 150
DCB Decachlorobiphenyl	92		10 - 150
Tetrachloro-m-xylene	81		10 - 150
Tetrachloro-m-xylene	87		10 - 150

Lab Sample ID: LCSD 460-776560/3-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.000800	0.000784		mg/L		98	64 - 130	5	30
cis-Chlordane	0.000800	0.000813		mg/L		102	64 - 130	4	30
trans-Chlordane	0.000800	0.000800		mg/L		100	65 - 132	5	30
trans-Chlordane	0.000800	0.000818		mg/L		102	65 - 132	4	30
Endrin	0.000800	0.000834		mg/L		104	67 - 132	5	30
Endrin	0.000800	0.000872		mg/L		109	67 - 132	4	30
gamma-BHC (Lindane)	0.000800	0.000768		mg/L		96	65 - 134	6	30
gamma-BHC (Lindane)	0.000800	0.000808		mg/L		101	65 - 134	5	30
Heptachlor	0.000800	0.000777		mg/L		97	63 - 128	5	30
Heptachlor	0.000800	0.000823		mg/L		103	63 - 128	5	30
Heptachlor epoxide	0.000800	0.000791		mg/L		99	66 - 128	5	30
Heptachlor epoxide	0.000800	0.000813		mg/L		102	66 - 128	4	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-776560/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 776828
Prep Batch: 776560

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor			0.000800	0.000824		mg/L		103	42 - 151	5	30
Methoxychlor			0.000800	0.000847		mg/L		106	42 - 151	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*91*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 150*

Lab Sample ID: MB 460-776561/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 776828
Prep Batch: 776561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:42	05/10/21 11:11	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:42	05/10/21 11:11	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 11:11	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 11:11	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:42	05/10/21 11:11	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:42	05/10/21 11:11	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:42	05/10/21 11:11	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:42	05/10/21 11:11	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:42	05/10/21 11:11	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:42	05/10/21 11:11	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 11:11	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:42	05/10/21 11:11	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:42	05/10/21 11:11	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:42	05/10/21 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*05/07/21 19:42*	*05/10/21 11:11*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*05/07/21 19:42*	*05/10/21 11:11*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*05/07/21 19:42*	*05/10/21 11:11*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*05/07/21 19:42*	*05/10/21 11:11*	*1*

Lab Sample ID: LCS 460-776561/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 776828
Prep Batch: 776561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane			0.000800	0.000806		mg/L		101	64 - 130
cis-Chlordane			0.000800	0.000838		mg/L		105	64 - 130
trans-Chlordane			0.000800	0.000812		mg/L		102	65 - 132
trans-Chlordane			0.000800	0.000837		mg/L		105	65 - 132
Endrin			0.000800	0.000817		mg/L		102	67 - 132
Endrin			0.000800	0.000850		mg/L		106	67 - 132
gamma-BHC (Lindane)			0.000800	0.000800		mg/L		100	65 - 134
gamma-BHC (Lindane)			0.000800	0.000831		mg/L		104	65 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-776561/2-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.000800	0.000796		mg/L		99	63 - 128		
Heptachlor			0.000800	0.000830		mg/L		104	63 - 128		
Heptachlor epoxide			0.000800	0.000804		mg/L		100	66 - 128		
Heptachlor epoxide			0.000800	0.000826		mg/L		103	66 - 128		
Methoxychlor			0.000800	0.000821		mg/L		103	42 - 151		
Methoxychlor			0.000800	0.000824		mg/L		103	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*

Lab Sample ID: LCSD 460-776561/3-A
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776561

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000820		mg/L		102	64 - 130	2	30
cis-Chlordane			0.000800	0.000849		mg/L		106	64 - 130	1	30
trans-Chlordane			0.000800	0.000823		mg/L		103	65 - 132	1	30
trans-Chlordane			0.000800	0.000853		mg/L		107	65 - 132	2	30
Endrin			0.000800	0.000835		mg/L		104	67 - 132	2	30
Endrin			0.000800	0.000857		mg/L		107	67 - 132	1	30
gamma-BHC (Lindane)			0.000800	0.000812		mg/L		101	65 - 134	1	30
gamma-BHC (Lindane)			0.000800	0.000843		mg/L		105	65 - 134	1	30
Heptachlor			0.000800	0.000805		mg/L		101	63 - 128	1	30
Heptachlor			0.000800	0.000838		mg/L		105	63 - 128	1	30
Heptachlor epoxide			0.000800	0.000814		mg/L		102	66 - 128	1	30
Heptachlor epoxide			0.000800	0.000841		mg/L		105	66 - 128	2	30
Methoxychlor			0.000800	0.000835		mg/L		104	42 - 151	2	30
Methoxychlor			0.000800	0.000842		mg/L		105	42 - 151	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*95*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 150*
Tetrachloro-m-xylene	*91*		*10 - 150*

Lab Sample ID: MB 460-776781/1-A
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/09/21 15:29	05/10/21 16:25	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-776781/1-A
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/09/21 15:29	05/10/21 16:25	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/09/21 15:29	05/10/21 16:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*05/09/21 15:29*	*05/10/21 16:25*	*1*
DCB Decachlorobiphenyl	*109*		*10 - 150*	*05/09/21 15:29*	*05/10/21 16:25*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*05/09/21 15:29*	*05/10/21 16:25*	*1*
Tetrachloro-m-xylene	*101*		*10 - 133*	*05/09/21 15:29*	*05/10/21 16:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-776781/2-A
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.129		mg/Kg		97	70 - 140
4,4'-DDD	0.133	0.152		mg/Kg		114	70 - 140
4,4'-DDE	0.133	0.132		mg/Kg		99	71 - 137
4,4'-DDE	0.133	0.140		mg/Kg		105	71 - 137
4,4'-DDT	0.133	0.122		mg/Kg		91	63 - 131
4,4'-DDT	0.133	0.133		mg/Kg		100	63 - 131
Aldrin	0.133	0.129		mg/Kg		97	74 - 140
Aldrin	0.133	0.137		mg/Kg		103	74 - 140
alpha-BHC	0.133	0.134		mg/Kg		100	72 - 142
alpha-BHC	0.133	0.138		mg/Kg		104	72 - 142
beta-BHC	0.133	0.138		mg/Kg		104	65 - 137
beta-BHC	0.133	0.140		mg/Kg		105	65 - 137
delta-BHC	0.133	0.136		mg/Kg		102	70 - 143
delta-BHC	0.133	0.139		mg/Kg		104	70 - 143
Dieldrin	0.133	0.127		mg/Kg		95	70 - 135
Dieldrin	0.133	0.142		mg/Kg		107	70 - 135
Endosulfan I	0.133	0.134		mg/Kg		100	68 - 135
Endosulfan I	0.133	0.139		mg/Kg		104	68 - 135
Endosulfan II	0.133	0.144		mg/Kg		108	64 - 130
Endosulfan II	0.133	0.150		mg/Kg		113	64 - 130
Endosulfan sulfate	0.133	0.132		mg/Kg		99	66 - 143
Endosulfan sulfate	0.133	0.140		mg/Kg		105	66 - 143
Endrin	0.133	0.122		mg/Kg		91	68 - 136
Endrin	0.133	0.133		mg/Kg		100	68 - 136
Endrin aldehyde	0.133	0.134		mg/Kg		100	68 - 132
Endrin aldehyde	0.133	0.154		mg/Kg		116	68 - 132
Endrin ketone	0.133	0.140		mg/Kg		105	60 - 150
Endrin ketone	0.133	0.136		mg/Kg		102	60 - 150
gamma-BHC (Lindane)	0.133	0.133		mg/Kg		100	70 - 134
gamma-BHC (Lindane)	0.133	0.138		mg/Kg		104	70 - 134
Heptachlor	0.133	0.127		mg/Kg		95	69 - 134
Heptachlor	0.133	0.133		mg/Kg		100	69 - 134
Heptachlor epoxide	0.133	0.131		mg/Kg		98	70 - 135
Heptachlor epoxide	0.133	0.139		mg/Kg		104	70 - 135
Methoxychlor	0.133	0.119		mg/Kg		89	57 - 135
Methoxychlor	0.133	0.117		mg/Kg		88	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 133*
Tetrachloro-m-xylene	*80*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-776781/3-A
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776781

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.125		mg/Kg		94	70 - 140	4	30
4,4'-DDD			0.133	0.139		mg/Kg		104	70 - 140	9	30
4,4'-DDE			0.133	0.131		mg/Kg		98	71 - 137	1	30
4,4'-DDE			0.133	0.129		mg/Kg		97	71 - 137	8	30
4,4'-DDT			0.133	0.116		mg/Kg		87	63 - 131	5	30
4,4'-DDT			0.133	0.116		mg/Kg		87	63 - 131	13	30
Aldrin			0.133	0.121		mg/Kg		90	74 - 140	7	30
Aldrin			0.133	0.127		mg/Kg		95	74 - 140	8	30
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 142	6	30
alpha-BHC			0.133	0.129		mg/Kg		96	72 - 142	7	30
beta-BHC			0.133	0.127		mg/Kg		95	65 - 137	8	30
beta-BHC			0.133	0.128		mg/Kg		96	65 - 137	8	30
delta-BHC			0.133	0.127		mg/Kg		95	70 - 143	7	30
delta-BHC			0.133	0.126		mg/Kg		95	70 - 143	10	30
Dieldrin			0.133	0.124		mg/Kg		93	70 - 135	2	30
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135	7	30
Endosulfan I			0.133	0.130		mg/Kg		98	68 - 135	3	30
Endosulfan I			0.133	0.129		mg/Kg		97	68 - 135	7	30
Endosulfan II			0.133	0.139		mg/Kg		104	64 - 130	3	30
Endosulfan II			0.133	0.137		mg/Kg		103	64 - 130	9	30
Endosulfan sulfate			0.133	0.127		mg/Kg		95	66 - 143	4	30
Endosulfan sulfate			0.133	0.128		mg/Kg		96	66 - 143	9	30
Endrin			0.133	0.116		mg/Kg		87	68 - 136	5	30
Endrin			0.133	0.122		mg/Kg		91	68 - 136	9	30
Endrin aldehyde			0.133	0.126		mg/Kg		95	68 - 132	6	30
Endrin aldehyde			0.133	0.135		mg/Kg		101	68 - 132	14	30
Endrin ketone			0.133	0.137		mg/Kg		103	60 - 150	2	30
Endrin ketone			0.133	0.129		mg/Kg		97	60 - 150	5	30
gamma-BHC (Lindane)			0.133	0.124		mg/Kg		93	70 - 134	7	30
gamma-BHC (Lindane)			0.133	0.127		mg/Kg		96	70 - 134	8	30
Heptachlor			0.133	0.117		mg/Kg		88	69 - 134	8	30
Heptachlor			0.133	0.123		mg/Kg		92	69 - 134	8	30
Heptachlor epoxide			0.133	0.124		mg/Kg		93	70 - 135	6	30
Heptachlor epoxide			0.133	0.128		mg/Kg		96	70 - 135	8	30
Methoxychlor			0.133	0.112		mg/Kg		84	57 - 135	5	30
Methoxychlor			0.133	0.102		mg/Kg		76	57 - 135	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*96*		*10 - 133*
Tetrachloro-m-xylene	*72*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-233756-F-8-G MS
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0073	U	0.146	0.140		mg/Kg	☼	96	70 - 140
4,4'-DDD	0.0073	U	0.146	0.170		mg/Kg	☼	117	70 - 140
4,4'-DDE	0.0073	U	0.146	0.145		mg/Kg	☼	99	71 - 137
4,4'-DDE	0.0073	U	0.146	0.168		mg/Kg	☼	115	71 - 137
4,4'-DDT	0.0035	J	0.146	0.130		mg/Kg	☼	87	63 - 131
4,4'-DDT	0.0035	J	0.146	0.152		mg/Kg	☼	101	63 - 131
Aldrin	0.0073	U	0.146	0.143		mg/Kg	☼	98	74 - 140
Aldrin	0.0073	U	0.146	0.168		mg/Kg	☼	115	74 - 140
alpha-BHC	0.0022	U	0.146	0.151		mg/Kg	☼	104	72 - 142
alpha-BHC	0.0022	U	0.146	0.174		mg/Kg	☼	119	72 - 142
beta-BHC	0.0022	U	0.146	0.166		mg/Kg	☼	114	65 - 137
beta-BHC	0.0022	U	0.146	0.177		mg/Kg	☼	121	65 - 137
delta-BHC	0.0022	U	0.146	0.152		mg/Kg	☼	104	70 - 143
delta-BHC	0.0022	U	0.146	0.173		mg/Kg	☼	118	70 - 143
Dieldrin	0.0022	U	0.146	0.140		mg/Kg	☼	96	70 - 135
Dieldrin	0.0022	U	0.146	0.164		mg/Kg	☼	113	70 - 135
Endosulfan I	0.0073	U	0.146	0.144		mg/Kg	☼	98	68 - 135
Endosulfan I	0.0073	U	0.146	0.160		mg/Kg	☼	110	68 - 135
Endosulfan II	0.0073	U	0.146	0.148		mg/Kg	☼	101	64 - 130
Endosulfan II	0.0073	U	0.146	0.163		mg/Kg	☼	112	64 - 130
Endosulfan sulfate	0.0073	U	0.146	0.126		mg/Kg	☼	86	66 - 143
Endosulfan sulfate	0.0073	U	0.146	0.137		mg/Kg	☼	94	66 - 143
Endrin	0.0073	U	0.146	0.135		mg/Kg	☼	92	68 - 136
Endrin	0.0073	U	0.146	0.160		mg/Kg	☼	109	68 - 136
Endrin aldehyde	0.0073	U	0.146	0.107		mg/Kg	☼	74	68 - 132
Endrin aldehyde	0.0073	U	0.146	0.128		mg/Kg	☼	88	68 - 132
Endrin ketone	0.0073	U	0.146	0.129		mg/Kg	☼	88	60 - 150
Endrin ketone	0.0073	U	0.146	0.138		mg/Kg	☼	94	60 - 150
gamma-BHC (Lindane)	0.0022	U	0.146	0.152		mg/Kg	☼	104	70 - 134
gamma-BHC (Lindane)	0.0022	U	0.146	0.172		mg/Kg	☼	118	70 - 134
Heptachlor	0.0073	U	0.146	0.142		mg/Kg	☼	97	69 - 134
Heptachlor	0.0073	U	0.146	0.166		mg/Kg	☼	114	69 - 134
Heptachlor epoxide	0.0073	U	0.146	0.142		mg/Kg	☼	97	70 - 135
Heptachlor epoxide	0.0073	U	0.146	0.165		mg/Kg	☼	113	70 - 135
Methoxychlor	0.0073	U	0.146	0.121		mg/Kg	☼	83	57 - 135
Methoxychlor	0.0073	U	0.146	0.138		mg/Kg	☼	95	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*10 - 150*
DCB Decachlorobiphenyl	*58*		*10 - 150*
Tetrachloro-m-xylene	*87*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-233756-F-8-H MSD
Matrix: Solid
Analysis Batch: 776952

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0073	U	0.146	0.113		mg/Kg	☼	78	70 - 140	21	30
4,4'-DDD	0.0073	U	0.146	0.136		mg/Kg	☼	93	70 - 140	22	30
4,4'-DDE	0.0073	U	0.146	0.117		mg/Kg	☼	80	71 - 137	22	30
4,4'-DDE	0.0073	U	0.146	0.132		mg/Kg	☼	90	71 - 137	24	30
4,4'-DDT	0.0035	J	0.146	0.103		mg/Kg	☼	68	63 - 131	24	30
4,4'-DDT	0.0035	J	0.146	0.114		mg/Kg	☼	75	63 - 131	29	30
Aldrin	0.0073	U	0.146	0.119		mg/Kg	☼	82	74 - 140	18	30
Aldrin	0.0073	U	0.146	0.133		mg/Kg	☼	91	74 - 140	23	30
alpha-BHC	0.0022	U	0.146	0.124		mg/Kg	☼	85	72 - 142	20	30
alpha-BHC	0.0022	U	0.146	0.140		mg/Kg	☼	96	72 - 142	22	30
beta-BHC	0.0022	U	0.146	0.135		mg/Kg	☼	92	65 - 137	21	30
beta-BHC	0.0022	U	0.146	0.147		mg/Kg	☼	101	65 - 137	19	30
delta-BHC	0.0022	U	0.146	0.123		mg/Kg	☼	84	70 - 143	21	30
delta-BHC	0.0022	U	0.146	0.136		mg/Kg	☼	93	70 - 143	24	30
Dieldrin	0.0022	U	0.146	0.110		mg/Kg	☼	75	70 - 135	24	30
Dieldrin	0.0022	U	0.146	0.131		mg/Kg	☼	90	70 - 135	22	30
Endosulfan I	0.0073	U	0.146	0.116		mg/Kg	☼	79	68 - 135	21	30
Endosulfan I	0.0073	U	0.146	0.125		mg/Kg	☼	86	68 - 135	25	30
Endosulfan II	0.0073	U	0.146	0.121		mg/Kg	☼	83	64 - 130	20	30
Endosulfan II	0.0073	U	0.146	0.129		mg/Kg	☼	88	64 - 130	24	30
Endosulfan sulfate	0.0073	U	0.146	0.104		mg/Kg	☼	71	66 - 143	19	30
Endosulfan sulfate	0.0073	U	0.146	0.116		mg/Kg	☼	80	66 - 143	16	30
Endrin	0.0073	U	0.146	0.107		mg/Kg	☼	73	68 - 136	23	30
Endrin	0.0073	U	0.146	0.128		mg/Kg	☼	87	68 - 136	22	30
Endrin aldehyde	0.0073	U	0.146	0.0888	*	mg/Kg	☼	61	68 - 132	19	30
Endrin aldehyde	0.0073	U	0.146	0.103		mg/Kg	☼	70	68 - 132	22	30
Endrin ketone	0.0073	U	0.146	0.106		mg/Kg	☼	72	60 - 150	20	30
Endrin ketone	0.0073	U	0.146	0.114		mg/Kg	☼	78	60 - 150	19	30
gamma-BHC (Lindane)	0.0022	U	0.146	0.125		mg/Kg	☼	85	70 - 134	20	30
gamma-BHC (Lindane)	0.0022	U	0.146	0.137		mg/Kg	☼	94	70 - 134	23	30
Heptachlor	0.0073	U	0.146	0.116		mg/Kg	☼	79	69 - 134	20	30
Heptachlor	0.0073	U	0.146	0.132		mg/Kg	☼	90	69 - 134	23	30
Heptachlor epoxide	0.0073	U	0.146	0.116		mg/Kg	☼	79	70 - 135	20	30
Heptachlor epoxide	0.0073	U	0.146	0.131		mg/Kg	☼	90	70 - 135	23	30
Methoxychlor	0.0073	U	0.146	0.0944		mg/Kg	☼	65	57 - 135	24	30
Methoxychlor	0.0073	U	0.146	0.103		mg/Kg	☼	71	57 - 135	29	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*34*		*10 - 150*
DCB Decachlorobiphenyl	*42*		*10 - 150*
Tetrachloro-m-xylene	*69*		*10 - 133*
Tetrachloro-m-xylene	*72*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-777221/1-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 05:33	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 05:33	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:33	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:33	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 05:33	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 05:33	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 05:33	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 05:33	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 05:33	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 05:33	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:33	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:33	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 05:33	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 05:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:33*	*1*
DCB Decachlorobiphenyl	*91*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:33*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:33*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:33*	*1*

Lab Sample ID: LCS 460-777221/2-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000657		mg/L		82	64 - 130
cis-Chlordane	0.000800	0.000654		mg/L		82	64 - 130
trans-Chlordane	0.000800	0.000671		mg/L		84	65 - 132
trans-Chlordane	0.000800	0.000653		mg/L		82	65 - 132
Endrin	0.000800	0.000680		mg/L		85	67 - 132
Endrin	0.000800	0.000708		mg/L		88	67 - 132
gamma-BHC (Lindane)	0.000800	0.000691		mg/L		86	65 - 134
gamma-BHC (Lindane)	0.000800	0.000697		mg/L		87	65 - 134
Heptachlor	0.000800	0.000667		mg/L		83	63 - 128
Heptachlor	0.000800	0.000659		mg/L		82	63 - 128
Heptachlor epoxide	0.000800	0.000670		mg/L		84	66 - 128
Heptachlor epoxide	0.000800	0.000665		mg/L		83	66 - 128
Methoxychlor	0.000800	0.000559		mg/L		70	42 - 151
Methoxychlor	0.000800	0.000559		mg/L		70	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*10 - 150*
DCB Decachlorobiphenyl	*79*		*10 - 150*
Tetrachloro-m-xylene	*77*		*10 - 150*
Tetrachloro-m-xylene	*79*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-777221/3-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777221

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000658		mg/L		82	64 - 130	0	30
cis-Chlordane			0.000800	0.000658		mg/L		82	64 - 130	1	30
trans-Chlordane			0.000800	0.000672		mg/L		84	65 - 132	0	30
trans-Chlordane			0.000800	0.000657		mg/L		82	65 - 132	1	30
Endrin			0.000800	0.000676		mg/L		84	67 - 132	1	30
Endrin			0.000800	0.000708		mg/L		88	67 - 132	0	30
gamma-BHC (Lindane)			0.000800	0.000698		mg/L		87	65 - 134	1	30
gamma-BHC (Lindane)			0.000800	0.000708		mg/L		88	65 - 134	1	30
Heptachlor			0.000800	0.000674		mg/L		84	63 - 128	1	30
Heptachlor			0.000800	0.000672		mg/L		84	63 - 128	2	30
Heptachlor epoxide			0.000800	0.000673		mg/L		84	66 - 128	0	30
Heptachlor epoxide			0.000800	0.000669		mg/L		84	66 - 128	1	30
Methoxychlor			0.000800	0.000556		mg/L		70	42 - 151	1	30
Methoxychlor			0.000800	0.000570		mg/L		71	42 - 151	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*79*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*

Lab Sample ID: LB 460-776324/1-E
Matrix: Solid
Analysis Batch: 776828

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776560

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/07/21 19:38	05/10/21 05:21	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 05:21	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/07/21 19:38	05/10/21 05:21	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/07/21 19:38	05/10/21 05:21	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/07/21 19:38	05/10/21 05:21	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/07/21 19:38	05/10/21 05:21	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/07/21 19:38	05/10/21 05:21	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*05/07/21 19:38*	*05/10/21 05:21*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/07/21 19:38*	*05/10/21 05:21*	*1*
Tetrachloro-m-xylene	*83*		*10 - 150*	*05/07/21 19:38*	*05/10/21 05:21*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/07/21 19:38*	*05/10/21 05:21*	*1*

Lab Sample ID: LB 460-777020/1-D
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777221

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/11/21 15:07	05/12/21 05:47	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:47	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/11/21 15:07	05/12/21 05:47	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-777020/1-D
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777221

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/11/21 15:07	05/12/21 05:47	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/11/21 15:07	05/12/21 05:47	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/11/21 15:07	05/12/21 05:47	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/11/21 15:07	05/12/21 05:47	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:47*	*1*
DCB Decachlorobiphenyl	*104*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:47*	*1*
Tetrachloro-m-xylene	*108*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:47*	*1*
Tetrachloro-m-xylene	*110*		*10 - 150*	*05/11/21 15:07*	*05/12/21 05:47*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-776198/1-A
Matrix: Solid
Analysis Batch: 776441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/06/21 09:25	05/07/21 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*37 - 150*	*05/06/21 09:25*	*05/07/21 11:41*	*1*
DCB Decachlorobiphenyl	*122*		*37 - 150*	*05/06/21 09:25*	*05/07/21 11:41*	*1*
Tetrachloro-m-xylene	*127*		*54 - 150*	*05/06/21 09:25*	*05/07/21 11:41*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*05/06/21 09:25*	*05/07/21 11:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-776198/2-A
Matrix: Solid
Analysis Batch: 776441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776198

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.347		mg/Kg		104	65 - 133		
Aroclor 1016			0.333	0.352		mg/Kg		105	65 - 133		
Aroclor 1260			0.333	0.359		mg/Kg		108	71 - 150		
Aroclor 1260			0.333	0.363		mg/Kg		109	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*37 - 150*
DCB Decachlorobiphenyl	*106*		*37 - 150*
Tetrachloro-m-xylene	*76*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Lab Sample ID: LCSD 460-776198/3-A
Matrix: Solid
Analysis Batch: 776441

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776198

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.362		mg/Kg		109	65 - 133	3	30
Aroclor 1016			0.333	0.345		mg/Kg		103	65 - 133	1	30
Aroclor 1260			0.333	0.365		mg/Kg		109	71 - 150	1	30
Aroclor 1260			0.333	0.368		mg/Kg		110	71 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*37 - 150*
DCB Decachlorobiphenyl	*103*		*37 - 150*
Tetrachloro-m-xylene	*77*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Lab Sample ID: MB 460-776780/1-A
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-776780/1-A
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/09/21 15:25	05/10/21 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*05/09/21 15:25*	*05/10/21 16:55*	*1*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*05/09/21 15:25*	*05/10/21 16:55*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*05/09/21 15:25*	*05/10/21 16:55*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*05/09/21 15:25*	*05/10/21 16:55*	*1*

Lab Sample ID: LCS 460-776780/2-A
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776780

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.393		mg/Kg		118	65 - 133		
Aroclor 1016			0.333	0.391		mg/Kg		117	65 - 133		
Aroclor 1260			0.333	0.445		mg/Kg		133	71 - 150		
Aroclor 1260			0.333	0.442		mg/Kg		132	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*112*		*37 - 150*
DCB Decachlorobiphenyl	*116*		*37 - 150*
Tetrachloro-m-xylene	*76*		*54 - 150*
Tetrachloro-m-xylene	*96*		*54 - 150*

Lab Sample ID: LCSD 460-776780/3-A
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.411		mg/Kg		123	65 - 133	4	30
Aroclor 1016			0.333	0.408		mg/Kg		123	65 - 133	4	30
Aroclor 1260			0.333	0.470		mg/Kg		141	71 - 150	5	30
Aroclor 1260			0.333	0.442		mg/Kg		133	71 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*121*		*37 - 150*
DCB Decachlorobiphenyl	*118*		*37 - 150*
Tetrachloro-m-xylene	*81*		*54 - 150*
Tetrachloro-m-xylene	*95*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-233756-F-8-D MS
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.073	U	0.365	0.344		mg/Kg	☼	94	65 - 133
Aroclor 1016	0.073	U	0.365	0.389		mg/Kg	☼	106	65 - 133
Aroclor 1260	0.073	U	0.365	0.315		mg/Kg	☼	86	71 - 150
Aroclor 1260	0.073	U	0.365	0.331		mg/Kg	☼	91	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*37 - 150*
DCB Decachlorobiphenyl	*71*		*37 - 150*
Tetrachloro-m-xylene	*63*		*54 - 150*
Tetrachloro-m-xylene	*81*		*54 - 150*

Lab Sample ID: 460-233756-F-8-E MSD
Matrix: Solid
Analysis Batch: 776966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.073	U	0.365	0.352		mg/Kg	☼	97	65 - 133	2	30
Aroclor 1016	0.073	U	0.365	0.338		mg/Kg	☼	93	65 - 133	14	30
Aroclor 1260	0.073	U	0.365	0.321		mg/Kg	☼	88	71 - 150	2	30
Aroclor 1260	0.073	U	0.365	0.300		mg/Kg	☼	82	71 - 150	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*37 - 150*
DCB Decachlorobiphenyl	*66*		*37 - 150*
Tetrachloro-m-xylene	*67*		*54 - 150*
Tetrachloro-m-xylene	*79*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-776559/1-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/07/21 19:36	05/10/21 10:46	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/07/21 19:36	05/10/21 10:46	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/07/21 19:36	05/10/21 10:46	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/07/21 19:36	05/10/21 10:46	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/07/21 19:36	05/10/21 10:46	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/07/21 19:36	05/10/21 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*114*		*65 - 150*	*05/07/21 19:36*	*05/10/21 10:46*	*1*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*	*05/07/21 19:36*	*05/10/21 10:46*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-776559/2-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776559

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0976		mg/Kg		117	59 - 150		
2,4,5-T			0.0833	0.120		mg/Kg		144	59 - 150		
2,4-D			0.333	0.400		mg/Kg		120	50 - 130		
2,4-D			0.333	0.401		mg/Kg		120	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0997		mg/Kg		120	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.110		mg/Kg		133	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*114*		*65 - 150*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*

Lab Sample ID: LCSD 460-776559/3-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776559

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0997		mg/Kg		120	59 - 150	2	30
2,4,5-T			0.0833	0.124		mg/Kg		149	59 - 150	3	30
2,4-D			0.333	0.408		mg/Kg		122	50 - 130	2	30
2,4-D			0.333	0.414		mg/Kg		124	50 - 130	3	30
Silvex (2,4,5-TP)			0.0833	0.102		mg/Kg		123	58 - 150	3	30
Silvex (2,4,5-TP)			0.0833	0.115		mg/Kg		138	58 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*
2,4-Dichlorophenylacetic acid	*120*		*65 - 150*

Lab Sample ID: MB 460-776591/1-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0030	U	0.0030	0.00018	mg/L		05/07/21 23:44	05/10/21 09:38	1
2,4-D	0.0030	U	0.0030	0.00018	mg/L		05/07/21 23:44	05/10/21 09:38	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		05/07/21 23:44	05/10/21 09:38	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		05/07/21 23:44	05/10/21 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*28 - 150*	*05/07/21 23:44*	*05/10/21 09:38*	*1*
2,4-Dichlorophenylacetic acid	*112*		*28 - 150*	*05/07/21 23:44*	*05/10/21 09:38*	*1*

Lab Sample ID: LCS 460-776591/2-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776591

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.00400	0.00628	*	mg/L		157	36 - 139		
2,4-D			0.00400	0.00621	*	mg/L		155	36 - 139		

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-776591/2-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776591

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.00100	0.00157	J *	mg/L		157	42 - 150		
Silvex (2,4,5-TP)			0.00100	0.00186	J *	mg/L		186	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*118*		*28 - 150*
2,4-Dichlorophenylacetic acid	*121*		*28 - 150*

Lab Sample ID: LCSD 460-776591/3-A
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776591

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.00400	0.00585	*	mg/L		146	36 - 139	7	30
2,4-D			0.00400	0.00580	*	mg/L		145	36 - 139	7	30
Silvex (2,4,5-TP)			0.00100	0.00148	J	mg/L		148	42 - 150	6	30
Silvex (2,4,5-TP)			0.00100	0.00173	J *	mg/L		173	42 - 150	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*113*		*28 - 150*
2,4-Dichlorophenylacetic acid	*117*		*28 - 150*

Lab Sample ID: 460-233754-J-1-A MS
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776591

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	0.0030	U *	0.00401	0.00466		mg/L		116	36 - 139		
2,4-D	0.0030	U *	0.00401	0.00515		mg/L		129	36 - 139		
Silvex (2,4,5-TP)	0.0030	U *	0.00101	0.00125	J	mg/L		124	42 - 150		
Silvex (2,4,5-TP)	0.0030	U *	0.00101	0.00151	J	mg/L		150	42 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*94*		*28 - 150*
2,4-Dichlorophenylacetic acid	*102*		*28 - 150*

Lab Sample ID: 460-233754-K-1-A MSD
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0030	U *	0.00400	0.00426		mg/L		106	36 - 139	9	30
2,4-D	0.0030	U *	0.00400	0.00550		mg/L		138	36 - 139	7	30
Silvex (2,4,5-TP)	0.0030	U *	0.00100	0.00121	J	mg/L		121	42 - 150	3	30
Silvex (2,4,5-TP)	0.0030	U *	0.00100	0.00144	J	mg/L		144	42 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*86*		*28 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-233754-K-1-A MSD
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776591

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	92		28 - 150

Lab Sample ID: MB 460-776794/1-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776794

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/09/21 17:44	05/12/21 13:21	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/09/21 17:44	05/12/21 13:21	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/09/21 17:44	05/12/21 13:21	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/09/21 17:44	05/12/21 13:21	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/09/21 17:44	05/12/21 13:21	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/09/21 17:44	05/12/21 13:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		65 - 150	05/09/21 17:44	05/12/21 13:21	1
2,4-Dichlorophenylacetic acid	102		65 - 150	05/09/21 17:44	05/12/21 13:21	1

Lab Sample ID: LCS 460-776794/2-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776794

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0705		mg/Kg		85	59 - 150		
2,4,5-T			0.0833	0.0959		mg/Kg		115	59 - 150		
2,4-D			0.333	0.321		mg/Kg		96	50 - 130		
2,4-D			0.333	0.345		mg/Kg		103	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0779		mg/Kg		93	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0957		mg/Kg		115	58 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	97		65 - 150
2,4-Dichlorophenylacetic acid	104		65 - 150

Lab Sample ID: LCSD 460-776794/3-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776794

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0784		mg/Kg		94	59 - 150	11	30
2,4,5-T			0.0833	0.107		mg/Kg		128	59 - 150	11	30
2,4-D			0.333	0.346		mg/Kg		104	50 - 130	8	30
2,4-D			0.333	0.370		mg/Kg		111	50 - 130	7	30
Silvex (2,4,5-TP)			0.0833	0.0844		mg/Kg		101	58 - 150	8	30
Silvex (2,4,5-TP)			0.0833	0.103		mg/Kg		124	58 - 150	7	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-776794/3-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776794

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	103		65 - 150
2,4-Dichlorophenylacetic acid	110		65 - 150

Lab Sample ID: MB 460-777223/1-A
Matrix: Solid
Analysis Batch: 777450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:21	05/12/21 11:54	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:21	05/12/21 11:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:21	05/12/21 11:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:21	05/12/21 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		28 - 150	05/11/21 15:21	05/12/21 11:54	1
2,4-Dichlorophenylacetic acid	59		28 - 150	05/11/21 15:21	05/12/21 11:54	1

Lab Sample ID: LCS 460-777223/2-A
Matrix: Solid
Analysis Batch: 777450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777223

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0693	J	mg/L		104	36 - 139		
2,4-D			0.0667	0.0732	J	mg/L		110	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0181	J	mg/L		108	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0210	J	mg/L		126	42 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	80		28 - 150
2,4-Dichlorophenylacetic acid	77		28 - 150

Lab Sample ID: LCSD 460-777223/3-A
Matrix: Solid
Analysis Batch: 777450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777223

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0685	J	mg/L		103	36 - 139	1	30
2,4-D			0.0667	0.0691	J	mg/L		104	36 - 139	6	30
Silvex (2,4,5-TP)			0.0167	0.0176	J	mg/L		106	42 - 150	3	30
Silvex (2,4,5-TP)			0.0167	0.0196	J	mg/L		117	42 - 150	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	78		28 - 150
2,4-Dichlorophenylacetic acid	75		28 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-776324/1-F
Matrix: Solid
Analysis Batch: 776875

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776591

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/08/21 00:38	05/10/21 10:19	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/08/21 00:38	05/10/21 10:19	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*05/08/21 00:38*	*05/10/21 10:19*	*1*
2,4-Dichlorophenylacetic acid	*83*		*28 - 150*	*05/08/21 00:38*	*05/10/21 10:19*	*1*

Lab Sample ID: LB 460-777020/1-E
Matrix: Solid
Analysis Batch: 777450

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777223

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/11/21 15:22	05/12/21 12:38	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/11/21 15:22	05/12/21 12:38	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*56*		*28 - 150*	*05/11/21 15:22*	*05/12/21 12:38*	*1*
2,4-Dichlorophenylacetic acid	*56*		*28 - 150*	*05/11/21 15:22*	*05/12/21 12:38*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-776068/1-A
Matrix: Solid
Analysis Batch: 776147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776068

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/05/21 20:28	05/06/21 08:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*40 - 140*	*05/05/21 20:28*	*05/06/21 08:20*	*1*
1-Chlorooctadecane	*92*		*40 - 140*	*05/05/21 20:28*	*05/06/21 08:20*	*1*

Lab Sample ID: LCS 460-776068/2-A
Matrix: Solid
Analysis Batch: 776147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	142		mg/Kg		106	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*105*		*40 - 140*
1-Chlorooctadecane	*130*		*40 - 140*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCSD 460-776068/3-A
Matrix: Solid
Analysis Batch: 776147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776068

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	130		mg/Kg		97	40 - 140	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*108*		*40 - 140*
1-Chlorooctadecane	*135*		*40 - 140*

Lab Sample ID: 240-148365-O-3-D MS
Matrix: Solid
Analysis Batch: 776390

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)	58		209	342		mg/Kg	☼	136	40 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*64*		*40 - 140*
1-Chlorooctadecane	*77*		*40 - 140*

Lab Sample ID: 240-148365-O-3-E MSD
Matrix: Solid
Analysis Batch: 776390

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 776068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	58		209	535	*	mg/Kg	☼	228	40 - 140	44	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*112*		*40 - 140*
1-Chlorooctadecane	*121*		*40 - 140*

Lab Sample ID: MB 460-776202/1-A
Matrix: Solid
Analysis Batch: 776389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776202

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/06/21 09:33	05/07/21 06:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*127*		*40 - 140*	*05/06/21 09:33*	*05/07/21 06:52*	*1*
1-Chlorooctadecane	*118*		*40 - 140*	*05/06/21 09:33*	*05/07/21 06:52*	*1*

Lab Sample ID: LCS 460-776202/2-A
Matrix: Solid
Analysis Batch: 776389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	185		mg/Kg		139	40 - 140		

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCS 460-776202/2-A
Matrix: Solid
Analysis Batch: 776389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776202

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	139		40 - 140
1-Chlorooctadecane	182	*	40 - 140

Lab Sample ID: LCSD 460-776202/3-A
Matrix: Solid
Analysis Batch: 776389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	172		mg/Kg		129	40 - 140	7	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	128		40 - 140
1-Chlorooctadecane	158	*	40 - 140

Lab Sample ID: MB 460-776587/1-A
Matrix: Solid
Analysis Batch: 776604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776587

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/07/21 21:09	05/08/21 12:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	103		40 - 140	05/07/21 21:09	05/08/21 12:58	1
1-Chlorooctadecane	94		40 - 140	05/07/21 21:09	05/08/21 12:58	1

Lab Sample ID: LCS 460-776587/2-A
Matrix: Solid
Analysis Batch: 776604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776587

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)			133	131		mg/Kg		99	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	113		40 - 140
1-Chlorooctadecane	148	*	40 - 140

Lab Sample ID: LCSD 460-776587/3-A
Matrix: Solid
Analysis Batch: 776604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 776587

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	125		mg/Kg		94	40 - 140	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	99		40 - 140
1-Chlorooctadecane	130		40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-776529/1-A
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/07/21 16:55	05/12/21 18:04	1
Barium	0.20	U	0.20	0.013	mg/L		05/07/21 16:55	05/12/21 18:04	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/07/21 16:55	05/12/21 18:04	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/07/21 16:55	05/12/21 18:04	1
Lead	0.010	U	0.010	0.0024	mg/L		05/07/21 16:55	05/12/21 18:04	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/07/21 16:55	05/12/21 18:04	1
Silver	0.010	U	0.010	0.0058	mg/L		05/07/21 16:55	05/12/21 18:04	1

Lab Sample ID: LCS 460-776529/2-A ^2
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.08		mg/L		102	80 - 120
Barium	10.0	10.56		mg/L		106	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.22		mg/L		104	80 - 120
Lead	5.00	5.32		mg/L		106	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.500	0.503		mg/L		101	80 - 120

Lab Sample ID: MB 460-777391/1-A
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/12/21 07:15	05/12/21 16:25	1
Barium	0.20	U	0.20	0.013	mg/L		05/12/21 07:15	05/12/21 16:25	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/12/21 07:15	05/12/21 16:25	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/12/21 07:15	05/12/21 16:25	1
Lead	0.010	U	0.010	0.0024	mg/L		05/12/21 07:15	05/12/21 16:25	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/12/21 07:15	05/12/21 16:25	1
Silver	0.010	U	0.010	0.0058	mg/L		05/12/21 07:15	05/12/21 16:25	1

Lab Sample ID: LCS 460-777391/2-A ^2
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.05		mg/L		101	80 - 120
Barium	10.0	10.62		mg/L		106	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.28		mg/L		106	80 - 120
Lead	5.00	5.37		mg/L		107	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	0.500	0.503		mg/L		101	80 - 120

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

Lab Sample ID: LB 460-776324/1-D ^5
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776529

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/07/21 16:55	05/12/21 18:54	5
Barium	1.0	U	1.0	0.066	mg/L		05/07/21 16:55	05/12/21 18:54	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/07/21 16:55	05/12/21 18:54	5
Chromium	0.050	U	0.050	0.025	mg/L		05/07/21 16:55	05/12/21 18:54	5
Lead	0.050	U	0.050	0.012	mg/L		05/07/21 16:55	05/12/21 18:54	5
Selenium	0.10	U	0.10	0.029	mg/L		05/07/21 16:55	05/12/21 18:54	5
Silver	0.050	U	0.050	0.029	mg/L		05/07/21 16:55	05/12/21 18:54	5

Lab Sample ID: 460-233465-A-1-E MS
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 776529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.14		mg/L		103	75 - 125
Barium	0.13	J	10.0	10.41		mg/L		103	75 - 125
Cadmium	0.020	U	1.00	1.05		mg/L		105	75 - 125
Chromium	0.050	U	5.00	5.21		mg/L		104	75 - 125
Lead	0.050	U	5.00	5.11		mg/L		102	75 - 125
Selenium	0.10	U	1.00	1.04		mg/L		104	75 - 125
Silver	0.050	U	0.500	0.510		mg/L		102	75 - 125

Lab Sample ID: 460-233465-A-1-D DU
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 776529

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.13	J	0.131	J	mg/L		0.2	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-777020/1-F ^5
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777391

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/12/21 07:15	05/12/21 17:35	5
Barium	1.0	U	1.0	0.066	mg/L		05/12/21 07:15	05/12/21 17:35	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/12/21 07:15	05/12/21 17:35	5
Chromium	0.050	U	0.050	0.025	mg/L		05/12/21 07:15	05/12/21 17:35	5
Lead	0.050	U	0.050	0.012	mg/L		05/12/21 07:15	05/12/21 17:35	5
Selenium	0.10	U	0.10	0.029	mg/L		05/12/21 07:15	05/12/21 17:35	5
Silver	0.050	U	0.050	0.029	mg/L		05/12/21 07:15	05/12/21 17:35	5

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

Lab Sample ID: 460-233810-I-1-I MS
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 777391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.28		mg/L		106	75 - 125
Barium	0.88	J	10.0	11.40		mg/L		105	75 - 125
Cadmium	0.020	U	1.00	1.07		mg/L		107	75 - 125
Chromium	0.025	J	5.00	5.34		mg/L		107	75 - 125
Lead	0.050	U	5.00	5.20		mg/L		104	75 - 125
Selenium	0.10	U	1.00	1.08		mg/L		108	75 - 125
Silver	0.050	U	0.500	0.525		mg/L		105	75 - 125

Lab Sample ID: 460-233810-I-1-H DU
Matrix: Solid
Analysis Batch: 777461

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 777391

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.88	J	0.913	J	mg/L		4	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.025	J	0.0272	J	mg/L		10	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-776825/1-A
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Calcium	100	U	100	17.0	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Magnesium	100	U	100	10.2	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Potassium	100	U	100	11.2	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Sodium	100	U	100	15.6	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/10/21 03:02	05/10/21 09:11	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/10/21 03:02	05/10/21 09:11	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-776825/1-A
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	8.0	U	8.0	2.3	mg/Kg		05/10/21 03:02	05/10/21 09:11	1

Lab Sample ID: LCSSRM 460-776825/2-A ^5
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776825

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8190	8710		mg/Kg		106.3	48.7 - 151.4
Antimony	110	97.93		mg/Kg		89.0	3.6 - 210.9
Arsenic	162	170.3		mg/Kg		105.1	82.7 - 117.9
Barium	138	137.6		mg/Kg		99.7	82.6 - 117.4
Beryllium	157	157.0		mg/Kg		100.0	82.8 - 117.2
Cadmium	135	138.5		mg/Kg		102.6	82.2 - 117.0
Calcium	4790	4897		mg/Kg		102.2	81.6 - 118.2
Chromium	117	121.0		mg/Kg		103.5	82.0 - 117.9
Cobalt	92.6	96.03		mg/Kg		103.7	83.4 - 116.6
Copper	143	148.3		mg/Kg		103.7	83.2 - 116.1
Iron	15100	17090		mg/Kg		113.2	63.0 - 137.1
Lead	77.6	81.82		mg/Kg		105.4	83.4 - 116.5
Magnesium	2320	2629		mg/Kg		113.3	75.9 - 124.1
Manganese	319	332.1		mg/Kg		104.1	82.1 - 118.2
Nickel	79.9	83.75		mg/Kg		104.8	82.1 - 117.9
Potassium	2050	2184		mg/Kg		106.6	70.2 - 129.8
Selenium	172	175.1		mg/Kg		101.8	79.1 - 120.9
Silver	24.7	27.10		mg/Kg		109.7	80.6 - 119.8
Sodium	137	151.4	J	mg/Kg		110.5	72.1 - 127.7
Thallium	88.0	95.58		mg/Kg		108.6	80.7 - 119.3
Vanadium	99.9	108.4		mg/Kg		108.5	79.0 - 121.1
Zinc	312	325.1		mg/Kg		104.2	80.4 - 119.6

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233652-A-7-H MS
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8260		547	9835	4	mg/Kg	☼	288	75 - 125
Antimony	1.1	U	5.47	2.63	N	mg/Kg	☼	48	75 - 125
Arsenic	2.6		10.9	12.93		mg/Kg	☼	95	75 - 125
Barium	14.4		10.9	27.81		mg/Kg	☼	122	75 - 125
Beryllium	0.26	J	5.47	5.54		mg/Kg	☼	96	75 - 125
Cadmium	1.1	U	5.47	5.54		mg/Kg	☼	101	75 - 125
Calcium	467		547	977.3		mg/Kg	☼	93	75 - 125
Chromium	9.9		10.9	20.72		mg/Kg	☼	99	75 - 125
Cobalt	4.3		5.47	9.42		mg/Kg	☼	94	75 - 125
Copper	8.7		10.9	19.47		mg/Kg	☼	99	75 - 125
Iron	13400		547	12740	4	mg/Kg	☼	-125	75 - 125
Lead	4.0		5.47	9.10		mg/Kg	☼	92	75 - 125
Magnesium	2290		547	2632	4	mg/Kg	☼	62	75 - 125
Manganese	148		54.7	177.3	N	mg/Kg	☼	54	75 - 125
Nickel	10.6		10.9	20.42		mg/Kg	☼	90	75 - 125
Potassium	430		547	934.0		mg/Kg	☼	92	75 - 125
Selenium	1.4	U	10.9	10.42		mg/Kg	☼	95	75 - 125
Silver	1.1	U	5.47	5.52		mg/Kg	☼	101	75 - 125
Sodium	140		547	764.5		mg/Kg	☼	114	75 - 125
Thallium	0.44	U	4.38	4.33		mg/Kg	☼	99	75 - 125
Vanadium	18.1		10.9	28.37		mg/Kg	☼	94	75 - 125
Zinc	23.1		54.7	76.43		mg/Kg	☼	97	75 - 125

Lab Sample ID: 460-233652-A-7-G DU
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 776825

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	8260		8158		mg/Kg	☼	1	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	2.6		2.62		mg/Kg	☼	1	20
Barium	14.4		13.97		mg/Kg	☼	3	20
Beryllium	0.26	J	0.266	J	mg/Kg	☼	1	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Calcium	467		477.4		mg/Kg	☼	2	20
Chromium	9.9		9.65		mg/Kg	☼	2	20
Cobalt	4.3		4.24		mg/Kg	☼	0.6	20
Copper	8.7		8.87		mg/Kg	☼	2	20
Iron	13400		13240		mg/Kg	☼	1	20
Lead	4.0		4.01		mg/Kg	☼	0.7	20
Magnesium	2290		2242		mg/Kg	☼	2	20
Manganese	148		146.1		mg/Kg	☼	1	20
Nickel	10.6		10.25		mg/Kg	☼	3	20
Potassium	430		424.8		mg/Kg	☼	1	20
Selenium	1.4	U	1.4	U	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	140		138.2		mg/Kg	☼	1	20
Thallium	0.44	U	0.44	U	mg/Kg	☼	NC	20
Vanadium	18.1		18.06		mg/Kg	☼	0.07	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233652-A-7-G DU
Matrix: Solid
Analysis Batch: 776904

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 776825

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	23.1		22.89		mg/Kg	☼	0.9	20

Lab Sample ID: MB 460-777629/1-A
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Calcium	100	U	100	17.0	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Magnesium	100	U	100	10.2	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Potassium	100	U	100	11.2	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Sodium	100	U	100	15.6	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/13/21 05:06	05/13/21 09:18	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/13/21 05:06	05/13/21 09:18	1

Lab Sample ID: LCSSRM 460-777629/2-A ^5
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7002		mg/Kg		86.1	48.2 - 151.3
Antimony	134	82.90		mg/Kg		61.9	3.4 - 197.0
Arsenic	156	153.4		mg/Kg		98.3	82.7 - 117.3
Barium	239	229.9		mg/Kg		96.2	82.4 - 117.2
Beryllium	169	154.9		mg/Kg		91.6	83.4 - 117.2
Cadmium	137	132.6		mg/Kg		96.8	82.5 - 116.8
Calcium	4760	4577		mg/Kg		96.2	81.7 - 118.5
Chromium	154	149.9		mg/Kg		97.3	81.8 - 117.5

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-777629/2-A ^5
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	121	118.2		mg/Kg		97.7	83.5 - 116.5
Copper	54.9	53.72		mg/Kg		97.8	84.0 - 115.8
Iron	14100	13040		mg/Kg		92.5	60.1 - 139.7
Lead	130	126.5		mg/Kg		97.3	82.3 - 116.9
Magnesium	2320	2287		mg/Kg		98.6	75.9 - 124.1
Manganese	269	260.4		mg/Kg		96.8	82.2 - 117.8
Nickel	53.9	54.26		mg/Kg		100.7	82.6 - 117.4
Potassium	2020	1857		mg/Kg		91.9	69.8 - 130.2
Selenium	167	172.9		mg/Kg		103.5	79.0 - 120.4
Silver	33.6	33.18		mg/Kg		98.8	79.8 - 119.9
Sodium	133	138.1	J	mg/Kg		103.8	71.5 - 128.6
Thallium	112	109.1		mg/Kg		97.4	80.6 - 118.8
Vanadium	62.6	56.64		mg/Kg		90.5	78.9 - 121.1
Zinc	158	153.4		mg/Kg		97.1	81.0 - 119.0

Lab Sample ID: 460-233756-E-8-F MS
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2650		548	4037	4	mg/Kg	☼	253	75 - 125
Arsenic	4.4		11.0	15.58		mg/Kg	☼	102	75 - 125
Barium	206		11.0	279.6	4	mg/Kg	☼	675	75 - 125
Beryllium	0.18	J	5.48	5.33		mg/Kg	☼	94	75 - 125
Cadmium	0.60	J	5.48	6.02		mg/Kg	☼	99	75 - 125
Chromium	9.9		11.0	21.75		mg/Kg	☼	109	75 - 125
Cobalt	3.6		5.48	9.06		mg/Kg	☼	100	75 - 125
Copper	86.4		11.0	75.54	4	mg/Kg	☼	-100	75 - 125
Iron	9420		548	13950	4	mg/Kg	☼	826	75 - 125
Manganese	154		54.8	208.9		mg/Kg	☼	101	75 - 125
Nickel	13.2		11.0	23.37		mg/Kg	☼	93	75 - 125
Potassium	550		548	1266	N	mg/Kg	☼	131	75 - 125
Selenium	1.4	U	11.0	10.81		mg/Kg	☼	99	75 - 125
Sodium	197		548	823.7		mg/Kg	☼	115	75 - 125
Vanadium	41.8		11.0	54.38		mg/Kg	☼	115	75 - 125
Zinc	243		54.8	182.5	4	mg/Kg	☼	-111	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233756-E-8-F MS ^25
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1920		5.48	99.41	4	mg/Kg	☼	-3327 6	75 - 125
Thallium	11.0	U	4.38	4.91	J	mg/Kg	☼	112	75 - 125

Lab Sample ID: 460-233756-E-8-F MS ^5
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	30.7		5.48	4.75	J 4	mg/Kg	☼	-474	75 - 125
Calcium	132000		548	100100	4	mg/Kg	☼	-5822	75 - 125
Magnesium	70000		548	57100	4	mg/Kg	☼	-2362	75 - 125
Silver	1.6	J	5.48	6.01		mg/Kg	☼	80	75 - 125

Lab Sample ID: 460-233756-A-8-B DU
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	2650		2771		mg/Kg	☼	4	20
Arsenic	4.4		4.15		mg/Kg	☼	5	20
Barium	206		301.9	*	mg/Kg	☼	38	20
Beryllium	0.18	J	0.192	J	mg/Kg	☼	9	20
Cadmium	0.60	J	0.791	J	mg/Kg	☼	27	20
Chromium	9.9		9.79		mg/Kg	☼	0.6	20
Cobalt	3.6		3.51		mg/Kg	☼	2	20
Copper	86.4		106.6	*	mg/Kg	☼	21	20
Iron	9420		9240		mg/Kg	☼	2	20
Manganese	154		153.4		mg/Kg	☼	0.1	20
Nickel	13.2		12.74		mg/Kg	☼	4	20
Potassium	550		540.0		mg/Kg	☼	2	20
Selenium	1.4	U	0.154	J	mg/Kg	☼	NC	20
Silver	1.6		0.833	J	mg/Kg	☼	61	20
Sodium	197		190.6		mg/Kg	☼	3	20
Vanadium	41.8		39.61		mg/Kg	☼	5	20
Zinc	243		208.0		mg/Kg	☼	16	20

Lab Sample ID: 460-233756-A-8-B DU ^25
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	1920		1107	*	mg/Kg	☼	54	20
Thallium	11.0	U	11.0	U	mg/Kg	☼	NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233756-A-8-B DU ^5
Matrix: Solid
Analysis Batch: 777697

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777629

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	30.7		15.84	*	mg/Kg	☼	64	20
Calcium	132000		119900		mg/Kg	☼	10	20
Magnesium	70000		65060		mg/Kg	☼	7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-776484/1-A
Matrix: Solid
Analysis Batch: 776538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/07/21 13:03	05/07/21 15:37	1

Lab Sample ID: LCS 460-776484/2-A
Matrix: Solid
Analysis Batch: 776538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00448		mg/L		90	80 - 120

Lab Sample ID: MB 460-776941/1-A
Matrix: Solid
Analysis Batch: 776961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/10/21 13:00	05/10/21 14:14	1

Lab Sample ID: LCS 460-776941/2-A
Matrix: Solid
Analysis Batch: 776961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00517		mg/L		103	80 - 120

Lab Sample ID: MB 460-777203/1-A
Matrix: Solid
Analysis Batch: 777276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/11/21 13:01	05/11/21 15:47	1

Lab Sample ID: LCS 460-777203/2-A
Matrix: Solid
Analysis Batch: 777276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00462		mg/L		92	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 460-776324/1-C
Matrix: Solid
Analysis Batch: 776538

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776484

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/07/21 13:04	05/07/21 16:15	1

Lab Sample ID: 460-233560-1 MS
Matrix: Solid
Analysis Batch: 776538

Client Sample ID: WC-4 (0-5)
Prep Type: TCLP
Prep Batch: 776484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000091	J	0.00500	0.00428		mg/L		84	75 - 125

Lab Sample ID: 460-233560-1 DU
Matrix: Solid
Analysis Batch: 776538

Client Sample ID: WC-4 (0-5)
Prep Type: TCLP
Prep Batch: 776484

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.000091	J	0.000102	J	mg/L		11	20

Lab Sample ID: LB 460-776575/1-G
Matrix: Solid
Analysis Batch: 776961

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 776941

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/10/21 13:00	05/10/21 14:31	1

Lab Sample ID: LB 460-777020/1-C
Matrix: Solid
Analysis Batch: 777276

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777203

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/11/21 13:01	05/11/21 16:41	1

Lab Sample ID: 460-233652-A-3-J MS
Matrix: Solid
Analysis Batch: 777276

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 777203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00468		mg/L		94	75 - 125

Lab Sample ID: 460-233652-A-3-I DU
Matrix: Solid
Analysis Batch: 777276

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 777203

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-776352/1-A
Matrix: Solid
Analysis Batch: 776469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/07/21 03:20	05/07/21 07:48	1

Lab Sample ID: LCSSRM 460-776352/2-A ^40
Matrix: Solid
Analysis Batch: 776469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776352

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	27.55		mg/Kg		101.3	72.4 - 127.6

Lab Sample ID: 460-233511-A-2-C MS
Matrix: Solid
Analysis Batch: 776469

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.017		0.0829	0.0937		mg/Kg	☼	92	80 - 120

Lab Sample ID: 460-233511-A-2-B DU
Matrix: Solid
Analysis Batch: 776469

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 776352

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.017		0.0175		mg/Kg	☼	1	20

Lab Sample ID: MB 460-776827/10-A
Matrix: Solid
Analysis Batch: 776912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/10/21 03:12	05/10/21 07:13	1

Lab Sample ID: LCSSRM 460-776827/11-A ^40
Matrix: Solid
Analysis Batch: 776912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776827

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	28.09		mg/Kg		103.3	72.4 - 127.6

Lab Sample ID: 460-233639-F-3-D MS
Matrix: Solid
Analysis Batch: 776912

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.70		0.0799	0.475	4	mg/Kg	☼	-285	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-233639-A-3-A DU
Matrix: Solid
Analysis Batch: 776912

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 776827

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.70			0.715		mg/Kg	☼			2	20

Lab Sample ID: MB 460-777334/10-A
Matrix: Solid
Analysis Batch: 777426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/12/21 03:04	05/12/21 06:27	1

Lab Sample ID: LCSSRM 460-777334/11-A ^40
Matrix: Solid
Analysis Batch: 777426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777334

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			27.2	26.63		mg/Kg		97.9	72.4 - 127.6		

Lab Sample ID: 460-233756-E-8-D MS
Matrix: Solid
Analysis Batch: 777426

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.11		0.0856	0.180		mg/Kg	☼	83	80 - 120		

Lab Sample ID: 460-233756-A-8-A DU
Matrix: Solid
Analysis Batch: 777426

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777334

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.11			0.112		mg/Kg	☼			3	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 200-58274-A-1 DU
Matrix: Solid
Analysis Batch: 776211

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Lab Sample ID: 460-233638-4 DU
Matrix: Solid
Analysis Batch: 777475

Client Sample ID: WC-5 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-124563/1
Matrix: Solid
Analysis Batch: 124563

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/10/21 17:08	1

Lab Sample ID: LCS 410-124563/2
Matrix: Solid
Analysis Batch: 124563

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	31.80		mg/L		80	78 - 114

Lab Sample ID: LCSD 410-124563/3
Matrix: Solid
Analysis Batch: 124563

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	33.50		mg/L		84	78 - 114	5	13

Lab Sample ID: 410-38289-B-1 MS
Matrix: Solid
Analysis Batch: 124563

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	1.8	J	45.5	24.20	N	mg/L		49	78 - 114

Lab Sample ID: MB 410-127252/1
Matrix: Solid
Analysis Batch: 127252

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/17/21 17:39	1

Lab Sample ID: LCS 410-127252/2
Matrix: Solid
Analysis Batch: 127252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	34.20		mg/L		85	78 - 114

Lab Sample ID: LCSD 410-127252/3
Matrix: Solid
Analysis Batch: 127252

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	33.90		mg/L		85	78 - 114	1	13

Lab Sample ID: 410-38999-G-1 MS
Matrix: Solid
Analysis Batch: 127252

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	6.7	U	53.3	40.67	N	mg/L		76	78 - 114

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 460-776881/1
Matrix: Solid
Analysis Batch: 776881

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/10/21 08:00	1

Lab Sample ID: LCS 460-776881/2
Matrix: Solid
Analysis Batch: 776881

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM			40.0	34.80		mg/L		87	78 - 114		

Lab Sample ID: LCSD 460-776881/3
Matrix: Solid
Analysis Batch: 776881

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM			40.0	34.00		mg/L		85	78 - 114	2	18

Lab Sample ID: 460-233545-H-1 MS
Matrix: Solid
Analysis Batch: 776881

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM	5.0	U	40.0	33.10		mg/L		83	78 - 114		

Lab Sample ID: LB 460-776567/1-A
Matrix: Solid
Analysis Batch: 776881

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	100	U	100	28.0	mg/L			05/10/21 08:00	1

Method: 410.4 - COD

Lab Sample ID: LCSSRM 460-777042/29
Matrix: Solid
Analysis Batch: 777042

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	108.0		mg/Kg		104.8	76.6 - 120.4		

Lab Sample ID: LCSSRM 460-777042/5
Matrix: Solid
Analysis Batch: 777042

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	109.6		mg/Kg		106.4	76.6 - 120.4		

Method: 410.4 - COD (Continued)

Lab Sample ID: 460-233474-C-1 MS
Matrix: Solid
Analysis Batch: 777042

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	52.8		50.0	95.08	N	mg/Kg		85	90 - 110		

Lab Sample ID: 460-233474-C-1 MSD
Matrix: Solid
Analysis Batch: 777042

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	52.8		50.0	96.05	N	mg/Kg		86	90 - 110	1	10

Lab Sample ID: MB 460-777286/4
Matrix: Solid
Analysis Batch: 777286

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/11/21 18:20	1

Lab Sample ID: LCSSRM 460-777286/5
Matrix: Solid
Analysis Batch: 777286

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	106.0		mg/Kg		103.0	76.6 - 120.4		

Lab Sample ID: MRL 460-777286/3
Matrix: Solid
Analysis Batch: 777286

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	12.49		mg/L		125			

Lab Sample ID: 460-233705-A-1 MS
Matrix: Solid
Analysis Batch: 777286

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	48.6		50.0	93.14	N	mg/Kg		89	90 - 110		

Lab Sample ID: 460-233705-A-1 MSD
Matrix: Solid
Analysis Batch: 777286

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	48.6		50.0	90.56	N	mg/Kg		84	90 - 110	3	10

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 460-777809/4
Matrix: Solid
Analysis Batch: 777809

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/13/21 18:09	1

Lab Sample ID: LCSSRM 460-777809/5
Matrix: Solid
Analysis Batch: 777809

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	105.1		mg/Kg		102.0	76.6 - 120.4		

Lab Sample ID: MRL 460-777809/3
Matrix: Solid
Analysis Batch: 777809

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	11.85		mg/L		118			

Lab Sample ID: LB 460-775321/1-A
Matrix: Solid
Analysis Batch: 777042

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/10/21 18:31	1

Lab Sample ID: 460-233342-B-2-B MSD
Matrix: Solid
Analysis Batch: 777042

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	13.5		50.0	65.72		mg/Kg		105	90 - 110	1	10

Lab Sample ID: LB 460-776776/1-A
Matrix: Solid
Analysis Batch: 777286

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/11/21 18:20	1

Lab Sample ID: LB 460-777018/1-A
Matrix: Solid
Analysis Batch: 777809

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/13/21 18:09	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-777746/13
Matrix: Solid
Analysis Batch: 777746

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 12:45	1

Lab Sample ID: LCS 460-777746/14
Matrix: Solid
Analysis Batch: 777746

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.01		mg/L		101	89 - 113

Lab Sample ID: MRL 460-777746/12
Matrix: Solid
Analysis Batch: 777746

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.100	0.114		mg/L		114	50 - 150

Lab Sample ID: 460-233442-L-1 MS
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.74		2.00	2.99		mg/L		112	89 - 113

Lab Sample ID: 460-233442-L-1 MSD
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.74		2.00	2.96		mg/L		111	89 - 113	1	10

Lab Sample ID: LB 460-776573/1-A
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:23	1

Lab Sample ID: LB 460-776776/1-A
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:17	1

Lab Sample ID: LB 460-777018/1-A
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/13/21 13:37	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: 460-233790-3 MS
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: WC-6_WC-7 (5-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.64		2.00	2.93	N	mg/L		114	89 - 113

Lab Sample ID: 460-233790-3 MSD
Matrix: Solid
Analysis Batch: 777746

Client Sample ID: WC-6_WC-7 (5-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.64		2.00	2.91		mg/L		113	89 - 113	1	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-776422/1-A
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		05/07/21 08:07	05/07/21 12:53	1

Lab Sample ID: LCSI 460-776422/3-A
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776422

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	708	712.4		mg/Kg		101	80 - 120

Lab Sample ID: LCSSRM 460-776422/2-A
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776422

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	12.3	11.76		mg/Kg		95.3	84.0 - 114.6

Lab Sample ID: 460-233531-B-2-D MSS
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	44.1	39.54		mg/Kg	☼	90	75 - 125

Lab Sample ID: 460-233531-B-2-E MSI
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 776422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	781	820.8		mg/Kg	☼	105	75 - 125

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 460-233531-B-2-C DU
Matrix: Solid
Analysis Batch: 776472

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 776422

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.2	U	2.2	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-777441/1-A
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		05/12/21 09:55	05/13/21 10:58	1

Lab Sample ID: LCSI 460-777441/3-A
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777441

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	708	755.8		mg/Kg		107	80 - 120

Lab Sample ID: LCSSRM 460-777441/2-A
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777441

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	12.3	12.15		mg/Kg		98.5	84.0 - 114.6

Lab Sample ID: 460-233309-H-10-N MSS
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.1	U	41.5	38.96		mg/Kg	☼	94	75 - 125

Lab Sample ID: 460-233309-H-10-O MSI
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.1	U	735	802.2		mg/Kg	☼	109	75 - 125

Lab Sample ID: 460-233309-H-10-M DU
Matrix: Solid
Analysis Batch: 777665

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777441

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.1	U	2.1	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-777148/1-A
Matrix: Solid
Analysis Batch: 777224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg		05/11/21 09:02	05/11/21 14:27	1

Lab Sample ID: LCSSRM 460-777148/2-A
Matrix: Solid
Analysis Batch: 777224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777148

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	59.52		mg/Kg		63.1	29.4 - 117.7

Lab Sample ID: 460-233416-A-26-C MS
Matrix: Solid
Analysis Batch: 777224

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.29	U	5.74	5.77		mg/Kg	☼	101	11 - 108

Lab Sample ID: 460-233416-A-26-D MSD
Matrix: Solid
Analysis Batch: 777224

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.29	U	5.74	5.71		mg/Kg	☼	100	11 - 108	1	40

Lab Sample ID: MB 460-777714/1-A
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/13/21 10:43	05/14/21 14:20	1

Lab Sample ID: LCSSRM 460-777714/2-A
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777714

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	87.3	56.89		mg/Kg		65.2	29.4 - 117.7

Lab Sample ID: 460-233756-F-8-L MS
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.23	U	4.69	1.50		mg/Kg	☼	32	11 - 108

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-233756-F-8-M MSD
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.23	U	4.87	1.57		mg/Kg	☼	32	11 - 108	4	40

Lab Sample ID: 460-233756-F-10-I MS
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.15	J	4.86	4.93		mg/Kg	☼	98	11 - 108

Lab Sample ID: 460-233756-F-10-J MSD
Matrix: Solid
Analysis Batch: 778039

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.15	J	5.04	4.89		mg/Kg	☼	94	11 - 108	1	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-777474/1-A
Matrix: Solid
Analysis Batch: 777522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777474

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/12/21 12:49	05/12/21 16:03	1

Lab Sample ID: LCS 460-777474/2-A
Matrix: Solid
Analysis Batch: 777522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-233467-A-5-K DU
Matrix: Solid
Analysis Batch: 777522

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777474

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Lab Sample ID: MB 460-777792/1-A
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777792

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 460-777792/2-A
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-233790-1 DU
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: WC-8 (0-5)
Prep Type: Total/NA
Prep Batch: 777792

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-777472/1-A
Matrix: Solid
Analysis Batch: 777521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777472

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/12/21 12:43	05/12/21 16:01	1

Lab Sample ID: LCSSRM 460-777472/3-A
Matrix: Solid
Analysis Batch: 777521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777472

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	60.47		mg/Kg		96.6	44.9 - 144.2

Lab Sample ID: 460-233467-A-5-H MS
Matrix: Solid
Analysis Batch: 777521

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	499	438.7		mg/Kg		88	64 - 136

Lab Sample ID: 460-233467-A-5-I MSD
Matrix: Solid
Analysis Batch: 777521

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	499	431.1		mg/Kg		86	64 - 136	2	10

Lab Sample ID: MB 460-777791/1-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777791

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCSSRM 460-777791/3-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	60.47		mg/Kg		96.6	44.9 - 144.2

Lab Sample ID: 460-233790-1 MS
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: WC-8 (0-5)
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	461	363.1		mg/Kg		79	64 - 136

Lab Sample ID: 460-233790-1 MSD
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: WC-8 (0-5)
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	461	355.5		mg/Kg		77	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-776476/2
Matrix: Solid
Analysis Batch: 776476

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.1				SU			05/07/21 12:18	1
Corrosivity	6.1				SU			05/07/21 12:18	1

Lab Sample ID: LCSSRM 460-776476/3
Matrix: Solid
Analysis Batch: 776476

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	8.31	8.2		SU		98.7	97.6 - 102.4
Corrosivity	8.31	8.2		SU		98.7	97.6 - 102.4

Lab Sample ID: 460-233560-1 DU
Matrix: Solid
Analysis Batch: 776476

Client Sample ID: WC-4 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	10.9	HF	11.0		SU		0.6	10
Corrosivity	10.9	HF	11.0		SU		0.6	10

Lab Sample ID: MB 460-776477/2
Matrix: Solid
Analysis Batch: 776477

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.3				SU			05/07/21 13:14	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Method: 9045D - pH (Continued)

Lab Sample ID: MB 460-776477/2
Matrix: Solid
Analysis Batch: 776477

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	6.3				SU			05/07/21 13:14	1

Lab Sample ID: LCSSRM 460-776477/3
Matrix: Solid
Analysis Batch: 776477

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.4	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.4	97.6 - 102.4		

Lab Sample ID: 460-233635-H-10 DU
Matrix: Solid
Analysis Batch: 776477

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.0			8.0		SU				0.3	10
Corrosivity	8.0			8.0		SU				0.3	10

Lab Sample ID: MB 460-777762/2
Matrix: Solid
Analysis Batch: 777762

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.5				SU			05/13/21 13:02	1
Corrosivity	5.5				SU			05/13/21 13:02	1

Lab Sample ID: LCSSRM 460-777762/3
Matrix: Solid
Analysis Batch: 777762

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.6	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.6	97.6 - 102.4		

Lab Sample ID: 460-233485-C-1 DU
Matrix: Solid
Analysis Batch: 777762

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	6.5			6.5		SU				0.3	10
Corrosivity	6.5			6.5		SU				0.3	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-123900/1-A
Matrix: Solid
Analysis Batch: 124294
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		05/07/21 20:30	05/10/21 08:25	1

Lab Sample ID: LCS 410-123900/2-A
Matrix: Solid
Analysis Batch: 124294
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	5175		mg/Kg		104	91 - 111

Lab Sample ID: 180-121134-D-1-B MS
Matrix: Solid
Analysis Batch: 124294
Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 123900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	679	U	5580	5085		mg/Kg	☼	91	91 - 111

Lab Sample ID: 180-121134-D-1-C MSD
Matrix: Solid
Analysis Batch: 124294
Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 123900

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	679	U	5620	4874	N	mg/Kg	☼	87	91 - 111	4	26

Lab Sample ID: 180-121134-D-1-D DU
Matrix: Solid
Analysis Batch: 124294
Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 123900

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	679	U	677	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 410-126164/1-A
Matrix: Solid
Analysis Batch: 126526
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		05/13/21 20:30	05/14/21 13:23	1

Lab Sample ID: LCS 410-126164/2-A
Matrix: Solid
Analysis Batch: 126526
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4970	4581		mg/Kg		92	91 - 111

Lab Sample ID: 180-121279-D-1-E MS
Matrix: Solid
Analysis Batch: 126526
Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	658	U	5520	5352		mg/Kg	☼	97	91 - 111

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: 180-121279-D-1-F MSD
Matrix: Solid
Analysis Batch: 126526

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	658	U	5540	5168		mg/Kg	☼	93	91 - 111	4	26

Lab Sample ID: 180-121279-D-1-G DU
Matrix: Solid
Analysis Batch: 126526

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	658	U	665	U	mg/Kg	☼	NC	20

Method: 9095B - Paint Filter

Lab Sample ID: 200-58274-A-1 DU
Matrix: Solid
Analysis Batch: 776210

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Lab Sample ID: 460-233866-C-2 DU
Matrix: Solid
Analysis Batch: 777458

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-233445-B-16 DU
Matrix: Solid
Analysis Batch: 775943

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	21.6		22.3		%		3	20
Percent Solids	78.4		77.7		%		0.9	20

Lab Sample ID: 460-233599-A-8 DU
Matrix: Solid
Analysis Batch: 776193

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.9		11.2		%		6	20
Percent Solids	88.1		88.8		%		0.8	20

Lab Sample ID: 460-233652-A-21 DU
Matrix: Solid
Analysis Batch: 776251

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.0		8.2		%		9	20
Percent Solids	91.0		91.8		%		0.9	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-233638-4 DU
Matrix: Solid
Analysis Batch: 776253

Client Sample ID: WC-5 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.0		12.2		%		6	20
Percent Solids	87.0		87.8		%		0.9	20

Lab Sample ID: 460-233837-A-4 DU
Matrix: Solid
Analysis Batch: 777206

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10.2		11.1		%		8	20
Percent Solids	89.8		88.9		%		1	20

Lab Sample ID: 460-233790-1 DU
Matrix: Solid
Analysis Batch: 777278

Client Sample ID: WC-8 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.9		13.7		%		2	20
Percent Solids	86.1		86.3		%		0.2	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-776892/1
Matrix: Solid
Analysis Batch: 776892

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/10/21 09:32	1

Lab Sample ID: LCSSRM 460-776892/2
Matrix: Solid
Analysis Batch: 776892

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	766.0		mg/L		101.3	89.9 - 110.1

Lab Sample ID: MRL 460-776892/3
Matrix: Solid
Analysis Batch: 776892

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		119	50 - 150

Lab Sample ID: MB 460-777389/1
Matrix: Solid
Analysis Batch: 777389

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/12/21 07:01	1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: LCSSRM 460-777389/2
Matrix: Solid
Analysis Batch: 777389

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			756	735.0		mg/L		97.2	89.9 - 110.1		

Lab Sample ID: MRL 460-777389/3
Matrix: Solid
Analysis Batch: 777389

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			7.56	10.0	U	mg/L		79	50 - 150		

Lab Sample ID: LB 460-776776/1-A
Matrix: Solid
Analysis Batch: 776892

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/10/21 13:51	1

Lab Sample ID: 460-233638-5 DU
Matrix: Solid
Analysis Batch: 776892

Client Sample ID: WC-6 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	148			163.0	*	mg/L				10	5

Lab Sample ID: LB 460-777018/1-A
Matrix: Solid
Analysis Batch: 777389

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/12/21 07:01	1

Lab Sample ID: 460-233790-2 DU
Matrix: Solid
Analysis Batch: 777389

Client Sample ID: WC-7 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	184			185.0		mg/L				0.5	5

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-776190/1
Matrix: Solid
Analysis Batch: 776190

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/06/21 08:36	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/06/21 08:36	1

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: 460-233560-1 DU
Matrix: Solid
Analysis Batch: 776190

Client Sample ID: WC-4 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	87.4			87.22		%				0.2	5
Total Volatile Solids	1.9			1.31	*	%				37	5

Lab Sample ID: MB 460-776888/1
Matrix: Solid
Analysis Batch: 776888

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/10/21 08:37	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/10/21 08:37	1

Lab Sample ID: 460-233790-1 DU
Matrix: Solid
Analysis Batch: 776888

Client Sample ID: WC-8 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	93.8			93.58		%				0.2	5
Total Volatile Solids	1.6			1.81	*	%				16	5

GC/MS VOA

Prep Batch: 775794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233463-1	WC-3-A (0-2)	Total/NA	Solid	5035	
LB3 460-775794/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 775823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233463-1	WC-3-A (0-2)	TCLP	Solid	1311	
LB 460-775823/1-A	Method Blank	TCLP	Solid	1311	

Prep Batch: 776071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-2	WC-4-A (1-3)	Total/NA	Solid	5035	
LB3 460-776071/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 776121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-2	WC-4-A (1-3)	TCLP	Solid	1311	
460-233638-1	WC-5A (3-5)	TCLP	Solid	1311	
460-233638-2	WC-6C (5-7)	TCLP	Solid	1311	
460-233638-3	WC-6A (3-5)	TCLP	Solid	1311	
LB 460-776121/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 776143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-775823/1-A	Method Blank	TCLP	Solid	8260D	775823
MB 460-776143/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776143/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776143/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 776177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233463-1	WC-3-A (0-2)	TCLP	Solid	8260D	775823
MB 460-776177/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776177/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776177/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 776183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-1	WC-5A (3-5)	Total/NA	Solid	5035	
460-233638-2	WC-6C (5-7)	Total/NA	Solid	5035	
460-233638-3	WC-6A (3-5)	Total/NA	Solid	5035	
LB3 460-776183/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 776262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233463-1	WC-3-A (0-2)	Total/NA	Solid	8260D	775794
LB3 460-775794/1-A	Method Blank	Total/NA	Solid	8260D	775794
MB 460-776262/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-776262/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776262/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 776420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-2	WC-4-A (1-3)	TCLP	Solid	8260D	776121
460-233638-1	WC-5A (3-5)	TCLP	Solid	8260D	776121
460-233638-2	WC-6C (5-7)	TCLP	Solid	8260D	776121
460-233638-3	WC-6A (3-5)	TCLP	Solid	8260D	776121
LB 460-776121/1-A	Method Blank	TCLP	Solid	8260D	776121
MB 460-776420/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776420/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776420/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 776504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-2	WC-4-A (1-3)	Total/NA	Solid	8260D	776071
LB3 460-776071/1-A	Method Blank	Total/NA	Solid	8260D	776071
MB 460-776504/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776504/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776504/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 776542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-4	WC-8A (7-9)	Total/NA	Solid	5035	
460-233790-5	WC-8A (1-3)	Total/NA	Solid	5035	
460-233790-6	WC-7D (1-3)	Total/NA	Solid	5035	
LB3 460-776542/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 776596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-776183/1-A	Method Blank	Total/NA	Solid	8260D	776183
MB 460-776596/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-776596/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776596/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 776694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233882-1	WC-9C (3-5)	TCLP	Solid	1311	

Prep Batch: 776706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233882-1	WC-9C (3-5)	Total/NA	Solid	5035	
LB3 460-776706/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 776772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233882-1	WC-9C (3-5)	Total/NA	Solid	8260D	776706
MB 460-776772/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776772/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776772/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 776838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-776542/1-A	Method Blank	Total/NA	Solid	8260D	776542
MB 460-776838/7	Method Blank	Total/NA	Solid	8260D	

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Analysis Batch: 776838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-776838/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776838/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 776842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-1	WC-5A (3-5)	Total/NA	Solid	8260D	776183
460-233638-2	WC-6C (5-7)	Total/NA	Solid	8260D	776183
460-233638-3	WC-6A (3-5)	Total/NA	Solid	8260D	776183
MB 460-776842/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-776842/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776842/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 776972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-776706/1-A	Method Blank	Total/NA	Solid	8260D	776706
MB 460-776972/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-776972/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-776972/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-6	WC-7D (1-3)	Total/NA	Solid	8260D	776542
MB 460-777038/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-777038/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777038/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233882-1	WC-9C (3-5)	TCLP	Solid	8260D	776694
MB 460-777370/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-777370/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777370/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-4	WC-8A (7-9)	Total/NA	Solid	8260D	776542
460-233790-5	WC-8A (1-3)	Total/NA	Solid	8260D	776542
MB 460-777408/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-777408/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777408/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 778839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-4	WC-8A (7-9)	TCLP	Solid	1311	
460-233790-5	WC-8A (1-3)	TCLP	Solid	1311	
460-233790-6	WC-7D (1-3)	TCLP	Solid	1311	
LB 460-778839/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 779127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-4	WC-8A (7-9)	TCLP	Solid	8260D	778839

GC/MS VOA (Continued)

Analysis Batch: 779127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-5	WC-8A (1-3)	TCLP	Solid	8260D	778839
460-233790-6	WC-7D (1-3)	TCLP	Solid	8260D	778839
LB 460-778839/1-A	Method Blank	TCLP	Solid	8260D	778839
MB 460-779127/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-779127/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779127/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 776000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	8270E	776027
460-233560-3	WC-3 (0-5)	Total/NA	Solid	8270E	776027
MB 460-776027/1-A	Method Blank	Total/NA	Solid	8270E	776027
LCS 460-776027/2-A	Lab Control Sample	Total/NA	Solid	8270E	776027
LCSD 460-776027/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	776027
460-233561-A-2-A MS	Matrix Spike	Total/NA	Solid	8270E	776027
460-233561-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	776027

Prep Batch: 776027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3546	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3546	
MB 460-776027/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776027/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776027/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-233561-A-2-A MS	Matrix Spike	Total/NA	Solid	3546	
460-233561-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 776324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	1311	
460-233560-3	WC-3 (0-5)	TCLP	Solid	1311	
460-233638-4	WC-5 (0-5)	TCLP	Solid	1311	
460-233638-5	WC-6 (0-5)	TCLP	Solid	1311	
LB 460-776324/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 776467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	3510C	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	3510C	776324
460-233638-4	WC-5 (0-5)	TCLP	Solid	3510C	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	3510C	776324
LB 460-776324/1-B	Method Blank	TCLP	Solid	3510C	776324
MB 460-776467/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-776467/2-A	Lab Control Sample	Total/NA	Solid	3510C	
460-233581-E-2-A MS	Matrix Spike	Total/NA	Solid	3510C	
460-233581-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3510C	

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Prep Batch: 776509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3546	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3546	
MB 460-776509/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776509/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776509/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-233589-A-1-C MS	Matrix Spike	Total/NA	Solid	3546	
460-233589-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 776525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	8270E	776467
460-233560-3	WC-3 (0-5)	TCLP	Solid	8270E	776467
460-233638-4	WC-5 (0-5)	TCLP	Solid	8270E	776467
460-233638-5	WC-6 (0-5)	TCLP	Solid	8270E	776467
LB 460-776324/1-B	Method Blank	TCLP	Solid	8270E	776467
MB 460-776467/1-A	Method Blank	Total/NA	Solid	8270E	776467
LCS 460-776467/2-A	Lab Control Sample	Total/NA	Solid	8270E	776467
460-233581-E-2-A MS	Matrix Spike	Total/NA	Solid	8270E	776467
460-233581-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	776467

Analysis Batch: 776537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	8270E	776509
460-233638-5	WC-6 (0-5)	Total/NA	Solid	8270E	776509
MB 460-776509/1-A	Method Blank	Total/NA	Solid	8270E	776509
LCS 460-776509/2-A	Lab Control Sample	Total/NA	Solid	8270E	776509
LCSD 460-776509/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	776509
460-233589-A-1-C MS	Matrix Spike	Total/NA	Solid	8270E	776509
460-233589-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	776509

Prep Batch: 776589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3546	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3546	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3546	
MB 460-776589/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776589/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776589/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-233674-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-233674-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 776688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	8270E	776589
460-233790-2	WC-7 (0-5)	Total/NA	Solid	8270E	776589
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	8270E	776589
MB 460-776589/1-A	Method Blank	Total/NA	Solid	8270E	776589
LCS 460-776589/2-A	Lab Control Sample	Total/NA	Solid	8270E	776589
LCSD 460-776589/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	776589
460-233674-A-1-A MS	Matrix Spike	Total/NA	Solid	8270E	776589
460-233674-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	776589

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Leach Batch: 777020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	1311	
460-233790-2	WC-7 (0-5)	TCLP	Solid	1311	
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	1311	
LB 460-777020/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 777163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	3510C	777020
460-233790-2	WC-7 (0-5)	TCLP	Solid	3510C	777020
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	3510C	777020
LB 460-777020/1-B	Method Blank	TCLP	Solid	3510C	777020
MB 460-777163/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777163/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777163/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 777270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	8270E	777163
460-233790-2	WC-7 (0-5)	TCLP	Solid	8270E	777163
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	8270E	777163
LB 460-777020/1-B	Method Blank	TCLP	Solid	8270E	777163
MB 460-777163/1-A	Method Blank	Total/NA	Solid	8270E	777163
LCS 460-777163/2-A	Lab Control Sample	Total/NA	Solid	8270E	777163
LCSD 460-777163/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777163

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Prep Batch: 776068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3546	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3546	
MB 460-776068/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776068/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776068/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
240-148365-O-3-D MS	Matrix Spike	Total/NA	Solid	3546	
240-148365-O-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 776147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-776068/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	776068
LCS 460-776068/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	776068
LCSD 460-776068/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	776068

Prep Batch: 776198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3546	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3546	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3546	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3546	
MB 460-776198/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776198/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 776198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-776198/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 776200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3546	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3546	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3546	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3546	
MB 460-776200/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776200/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776200/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 776202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3546	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3546	
MB 460-776202/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776202/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776202/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Leach Batch: 776324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	1311	
460-233560-3	WC-3 (0-5)	TCLP	Solid	1311	
460-233638-4	WC-5 (0-5)	TCLP	Solid	1311	
460-233638-5	WC-6 (0-5)	TCLP	Solid	1311	
LB 460-776324/1-E	Method Blank	TCLP	Solid	1311	
LB 460-776324/1-F	Method Blank	TCLP	Solid	1311	

Analysis Batch: 776353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	8081B	776200
460-233560-3	WC-3 (0-5)	Total/NA	Solid	8081B	776200
460-233638-4	WC-5 (0-5)	Total/NA	Solid	8081B	776200
460-233638-5	WC-6 (0-5)	Total/NA	Solid	8081B	776200
MB 460-776200/1-A	Method Blank	Total/NA	Solid	8081B	776200
LCS 460-776200/2-A	Lab Control Sample	Total/NA	Solid	8081B	776200
LCSD 460-776200/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	776200

Analysis Batch: 776389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	NJDEP EPH	776202
460-233560-3	WC-3 (0-5)	Total/NA	Solid	NJDEP EPH	776202
MB 460-776202/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	776202
LCS 460-776202/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	776202
LCSD 460-776202/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	776202

Analysis Batch: 776390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	NJDEP EPH	776068
460-233638-5	WC-6 (0-5)	Total/NA	Solid	NJDEP EPH	776068

GC Semi VOA (Continued)

Analysis Batch: 776390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-148365-O-3-D MS	Matrix Spike	Total/NA	Solid	NJDEP EPH	776068
240-148365-O-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	NJDEP EPH	776068

Analysis Batch: 776441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	8082A	776198
460-233560-3	WC-3 (0-5)	Total/NA	Solid	8082A	776198
460-233638-4	WC-5 (0-5)	Total/NA	Solid	8082A	776198
460-233638-5	WC-6 (0-5)	Total/NA	Solid	8082A	776198
MB 460-776198/1-A	Method Blank	Total/NA	Solid	8082A	776198
LCS 460-776198/2-A	Lab Control Sample	Total/NA	Solid	8082A	776198
LCSD 460-776198/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	776198

Prep Batch: 776559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	8151A	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	8151A	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	8151A	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	8151A	
MB 460-776559/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-776559/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-776559/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 776560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	3510C	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	3510C	776324
LB 460-776324/1-E	Method Blank	TCLP	Solid	3510C	776324
MB 460-776560/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-776560/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-776560/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 776561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	TCLP	Solid	3510C	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	3510C	776324
MB 460-776561/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-776561/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-776561/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 776587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3546	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3546	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3546	
MB 460-776587/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776587/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776587/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

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Prep Batch: 776591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	8151A	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	8151A	776324
460-233638-4	WC-5 (0-5)	TCLP	Solid	8151A	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	8151A	776324
LB 460-776324/1-F	Method Blank	TCLP	Solid	8151A	776324
MB 460-776591/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-776591/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-776591/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-233754-J-1-A MS	Matrix Spike	Total/NA	Solid	8151A	
460-233754-K-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Analysis Batch: 776604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	NJDEP EPH	776587
460-233790-2	WC-7 (0-5)	Total/NA	Solid	NJDEP EPH	776587
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	NJDEP EPH	776587
MB 460-776587/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	776587
LCS 460-776587/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	776587
LCSD 460-776587/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	776587

Prep Batch: 776780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3546	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3546	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3546	
MB 460-776780/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776780/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776780/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-233756-F-8-D MS	Matrix Spike	Total/NA	Solid	3546	
460-233756-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 776781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3546	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3546	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3546	
MB 460-776781/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-776781/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-776781/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-233756-F-8-G MS	Matrix Spike	Total/NA	Solid	3546	
460-233756-F-8-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 776794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	8151A	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	8151A	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	8151A	
MB 460-776794/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-776794/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-776794/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

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Analysis Batch: 776828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	8081B	776560
460-233560-3	WC-3 (0-5)	TCLP	Solid	8081B	776560
460-233638-4	WC-5 (0-5)	TCLP	Solid	8081B	776561
460-233638-5	WC-6 (0-5)	TCLP	Solid	8081B	776561
LB 460-776324/1-E	Method Blank	TCLP	Solid	8081B	776560
MB 460-776560/1-A	Method Blank	Total/NA	Solid	8081B	776560
MB 460-776561/1-A	Method Blank	Total/NA	Solid	8081B	776561
LCS 460-776560/2-A	Lab Control Sample	Total/NA	Solid	8081B	776560
LCS 460-776561/2-A	Lab Control Sample	Total/NA	Solid	8081B	776561
LCSD 460-776560/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	776560
LCSD 460-776561/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	776561

Analysis Batch: 776875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	8151A	776591
460-233560-1	WC-4 (0-5)	Total/NA	Solid	8151A	776559
460-233560-3	WC-3 (0-5)	TCLP	Solid	8151A	776591
460-233560-3	WC-3 (0-5)	Total/NA	Solid	8151A	776559
460-233638-4	WC-5 (0-5)	TCLP	Solid	8151A	776591
460-233638-4	WC-5 (0-5)	Total/NA	Solid	8151A	776559
460-233638-5	WC-6 (0-5)	TCLP	Solid	8151A	776591
460-233638-5	WC-6 (0-5)	Total/NA	Solid	8151A	776559
LB 460-776324/1-F	Method Blank	TCLP	Solid	8151A	776591
MB 460-776559/1-A	Method Blank	Total/NA	Solid	8151A	776559
MB 460-776591/1-A	Method Blank	Total/NA	Solid	8151A	776591
LCS 460-776559/2-A	Lab Control Sample	Total/NA	Solid	8151A	776559
LCS 460-776591/2-A	Lab Control Sample	Total/NA	Solid	8151A	776591
LCSD 460-776559/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	776559
LCSD 460-776591/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	776591
460-233754-J-1-A MS	Matrix Spike	Total/NA	Solid	8151A	776591
460-233754-K-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	776591

Analysis Batch: 776952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	8081B	776781
460-233790-2	WC-7 (0-5)	Total/NA	Solid	8081B	776781
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	8081B	776781
MB 460-776781/1-A	Method Blank	Total/NA	Solid	8081B	776781
LCS 460-776781/2-A	Lab Control Sample	Total/NA	Solid	8081B	776781
LCSD 460-776781/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	776781
460-233756-F-8-G MS	Matrix Spike	Total/NA	Solid	8081B	776781
460-233756-F-8-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	776781

Analysis Batch: 776966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	8082A	776780
460-233790-2	WC-7 (0-5)	Total/NA	Solid	8082A	776780
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	8082A	776780
MB 460-776780/1-A	Method Blank	Total/NA	Solid	8082A	776780
LCS 460-776780/2-A	Lab Control Sample	Total/NA	Solid	8082A	776780
LCSD 460-776780/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	776780

GC Semi VOA (Continued)

Analysis Batch: 776966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233756-F-8-D MS	Matrix Spike	Total/NA	Solid	8082A	776780
460-233756-F-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	776780

Leach Batch: 777020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	1311	
460-233790-2	WC-7 (0-5)	TCLP	Solid	1311	
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	1311	
LB 460-777020/1-D	Method Blank	TCLP	Solid	1311	
LB 460-777020/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 777221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	3510C	777020
460-233790-2	WC-7 (0-5)	TCLP	Solid	3510C	777020
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	3510C	777020
LB 460-777020/1-D	Method Blank	TCLP	Solid	3510C	777020
MB 460-777221/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777221/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777221/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 777223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	8151A	777020
460-233790-2	WC-7 (0-5)	TCLP	Solid	8151A	777020
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	8151A	777020
LB 460-777020/1-E	Method Blank	TCLP	Solid	8151A	777020
MB 460-777223/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-777223/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-777223/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 777342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	8081B	777221
460-233790-2	WC-7 (0-5)	TCLP	Solid	8081B	777221
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	8081B	777221
LB 460-777020/1-D	Method Blank	TCLP	Solid	8081B	777221
MB 460-777221/1-A	Method Blank	Total/NA	Solid	8081B	777221
LCS 460-777221/2-A	Lab Control Sample	Total/NA	Solid	8081B	777221
LCSD 460-777221/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	777221

Analysis Batch: 777449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	8151A	776794
460-233790-2	WC-7 (0-5)	Total/NA	Solid	8151A	776794
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	8151A	776794
MB 460-776794/1-A	Method Blank	Total/NA	Solid	8151A	776794
LCS 460-776794/2-A	Lab Control Sample	Total/NA	Solid	8151A	776794
LCSD 460-776794/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	776794

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

GC Semi VOA

Analysis Batch: 777450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	8151A	777223
460-233790-2	WC-7 (0-5)	TCLP	Solid	8151A	777223
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	8151A	777223
LB 460-777020/1-E	Method Blank	TCLP	Solid	8151A	777223
MB 460-777223/1-A	Method Blank	Total/NA	Solid	8151A	777223
LCS 460-777223/2-A	Lab Control Sample	Total/NA	Solid	8151A	777223
LCSD 460-777223/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	777223

Metals

Leach Batch: 776324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	1311	
460-233560-3	WC-3 (0-5)	TCLP	Solid	1311	
460-233638-4	WC-5 (0-5)	TCLP	Solid	1311	
460-233638-5	WC-6 (0-5)	TCLP	Solid	1311	
LB 460-776324/1-C	Method Blank	TCLP	Solid	1311	
LB 460-776324/1-D ^5	Method Blank	TCLP	Solid	1311	
460-233465-A-1-E MS	Matrix Spike	TCLP	Solid	1311	
460-233560-1 MS	WC-4 (0-5)	TCLP	Solid	1311	
460-233465-A-1-D DU	Duplicate	TCLP	Solid	1311	
460-233560-1 DU	WC-4 (0-5)	TCLP	Solid	1311	

Prep Batch: 776352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7471B	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7471B	
MB 460-776352/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-776352/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-233511-A-2-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-233511-A-2-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 776469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7471B	776352
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7471B	776352
MB 460-776352/1-A	Method Blank	Total/NA	Solid	7471B	776352
LCSSRM 460-776352/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	776352
460-233511-A-2-C MS	Matrix Spike	Total/NA	Solid	7471B	776352
460-233511-A-2-B DU	Duplicate	Total/NA	Solid	7471B	776352

Prep Batch: 776484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	7470A	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	7470A	776324
460-233638-4	WC-5 (0-5)	TCLP	Solid	7470A	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	7470A	776324
LB 460-776324/1-C	Method Blank	TCLP	Solid	7470A	776324
MB 460-776484/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-776484/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-233560-1 MS	WC-4 (0-5)	TCLP	Solid	7470A	776324

Metals (Continued)

Prep Batch: 776484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1 DU	WC-4 (0-5)	TCLP	Solid	7470A	776324

Prep Batch: 776529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	3010A	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	3010A	776324
460-233638-4	WC-5 (0-5)	TCLP	Solid	3010A	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	3010A	776324
LB 460-776324/1-D ^5	Method Blank	TCLP	Solid	3010A	776324
MB 460-776529/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-776529/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-233465-A-1-E MS	Matrix Spike	TCLP	Solid	3010A	776324
460-233465-A-1-D DU	Duplicate	TCLP	Solid	3010A	776324

Analysis Batch: 776538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	7470A	776484
460-233560-3	WC-3 (0-5)	TCLP	Solid	7470A	776484
460-233638-4	WC-5 (0-5)	TCLP	Solid	7470A	776484
460-233638-5	WC-6 (0-5)	TCLP	Solid	7470A	776484
LB 460-776324/1-C	Method Blank	TCLP	Solid	7470A	776484
MB 460-776484/1-A	Method Blank	Total/NA	Solid	7470A	776484
LCS 460-776484/2-A	Lab Control Sample	Total/NA	Solid	7470A	776484
460-233560-1 MS	WC-4 (0-5)	TCLP	Solid	7470A	776484
460-233560-1 DU	WC-4 (0-5)	TCLP	Solid	7470A	776484

Leach Batch: 776575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-776575/1-G	Method Blank	TCLP	Solid	1311	
460-233652-A-3-J MS	Matrix Spike	TCLP	Solid	1311	
460-233652-A-3-I DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 776825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3050B	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3050B	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3050B	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3050B	
MB 460-776825/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-776825/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-233652-A-7-H MS	Matrix Spike	Total/NA	Solid	3050B	
460-233652-A-7-G DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 776827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7471B	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7471B	
MB 460-776827/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-776827/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-233639-F-3-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-233639-A-3-A DU	Duplicate	Total/NA	Solid	7471B	

Metals

Analysis Batch: 776904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	6020B	776825
460-233560-3	WC-3 (0-5)	Total/NA	Solid	6020B	776825
460-233638-4	WC-5 (0-5)	Total/NA	Solid	6020B	776825
460-233638-5	WC-6 (0-5)	Total/NA	Solid	6020B	776825
460-233638-5	WC-6 (0-5)	Total/NA	Solid	6020B	776825
MB 460-776825/1-A	Method Blank	Total/NA	Solid	6020B	776825
LCSSRM 460-776825/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	776825
460-233652-A-7-H MS	Matrix Spike	Total/NA	Solid	6020B	776825
460-233652-A-7-G DU	Duplicate	Total/NA	Solid	6020B	776825

Analysis Batch: 776912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7471B	776827
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7471B	776827
MB 460-776827/10-A	Method Blank	Total/NA	Solid	7471B	776827
LCSSRM 460-776827/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	776827
460-233639-F-3-D MS	Matrix Spike	Total/NA	Solid	7471B	776827
460-233639-A-3-A DU	Duplicate	Total/NA	Solid	7471B	776827

Prep Batch: 776941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-776575/1-G	Method Blank	TCLP	Solid	7470A	776575
MB 460-776941/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-776941/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 776961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-776575/1-G	Method Blank	TCLP	Solid	7470A	776941
MB 460-776941/1-A	Method Blank	Total/NA	Solid	7470A	776941
LCS 460-776941/2-A	Lab Control Sample	Total/NA	Solid	7470A	776941

Leach Batch: 777020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	1311	
460-233790-2	WC-7 (0-5)	TCLP	Solid	1311	
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	1311	
LB 460-777020/1-C	Method Blank	TCLP	Solid	1311	
LB 460-777020/1-F ^5	Method Blank	TCLP	Solid	1311	
460-233810-I-1-I MS	Matrix Spike	TCLP	Solid	1311	
460-233810-I-1-H DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 777203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	7470A	777020
460-233790-2	WC-7 (0-5)	TCLP	Solid	7470A	777020
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	7470A	777020
LB 460-777020/1-C	Method Blank	TCLP	Solid	7470A	777020
MB 460-777203/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-777203/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-233652-A-3-J MS	Matrix Spike	TCLP	Solid	7470A	776575
460-233652-A-3-I DU	Duplicate	TCLP	Solid	7470A	776575

Metals

Analysis Batch: 777276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	7470A	777203
460-233790-2	WC-7 (0-5)	TCLP	Solid	7470A	777203
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	7470A	777203
LB 460-777020/1-C	Method Blank	TCLP	Solid	7470A	777203
MB 460-777203/1-A	Method Blank	Total/NA	Solid	7470A	777203
LCS 460-777203/2-A	Lab Control Sample	Total/NA	Solid	7470A	777203
460-233652-A-3-J MS	Matrix Spike	TCLP	Solid	7470A	777203
460-233652-A-3-I DU	Duplicate	TCLP	Solid	7470A	777203

Prep Batch: 777334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7471B	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7471B	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7471B	
MB 460-777334/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-777334/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-233756-E-8-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-233756-A-8-A DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 777391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	3010A	777020
460-233790-2	WC-7 (0-5)	TCLP	Solid	3010A	777020
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	3010A	777020
LB 460-777020/1-F ^5	Method Blank	TCLP	Solid	3010A	777020
MB 460-777391/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-777391/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-233810-I-1-I MS	Matrix Spike	TCLP	Solid	3010A	777020
460-233810-I-1-H DU	Duplicate	TCLP	Solid	3010A	777020

Analysis Batch: 777426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7471B	777334
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7471B	777334
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7471B	777334
MB 460-777334/10-A	Method Blank	Total/NA	Solid	7471B	777334
LCSSRM 460-777334/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	777334
460-233756-E-8-D MS	Matrix Spike	Total/NA	Solid	7471B	777334
460-233756-A-8-A DU	Duplicate	Total/NA	Solid	7471B	777334

Analysis Batch: 777461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	6010D	776529
460-233560-3	WC-3 (0-5)	TCLP	Solid	6010D	776529
460-233638-4	WC-5 (0-5)	TCLP	Solid	6010D	776529
460-233638-5	WC-6 (0-5)	TCLP	Solid	6010D	776529
460-233790-1	WC-8 (0-5)	TCLP	Solid	6010D	777391
460-233790-2	WC-7 (0-5)	TCLP	Solid	6010D	777391
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	6010D	777391
LB 460-776324/1-D ^5	Method Blank	TCLP	Solid	6010D	776529
LB 460-777020/1-F ^5	Method Blank	TCLP	Solid	6010D	777391

Metals (Continued)

Analysis Batch: 777461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-776529/1-A	Method Blank	Total/NA	Solid	6010D	776529
MB 460-777391/1-A	Method Blank	Total/NA	Solid	6010D	777391
LCS 460-776529/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	776529
LCS 460-777391/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	777391
460-233465-A-1-E MS	Matrix Spike	TCLP	Solid	6010D	776529
460-233810-I-1-I MS	Matrix Spike	TCLP	Solid	6010D	777391
460-233465-A-1-D DU	Duplicate	TCLP	Solid	6010D	776529
460-233810-I-1-H DU	Duplicate	TCLP	Solid	6010D	777391

Prep Batch: 777629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3050B	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3050B	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3050B	
MB 460-777629/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-777629/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-233756-E-8-F MS	Matrix Spike	Total/NA	Solid	3050B	
460-233756-E-8-F MS ^25	Matrix Spike	Total/NA	Solid	3050B	
460-233756-E-8-F MS ^5	Matrix Spike	Total/NA	Solid	3050B	
460-233756-A-8-B DU	Duplicate	Total/NA	Solid	3050B	
460-233756-A-8-B DU ^25	Duplicate	Total/NA	Solid	3050B	
460-233756-A-8-B DU ^5	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 777697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	6020B	777629
460-233790-2	WC-7 (0-5)	Total/NA	Solid	6020B	777629
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	6020B	777629
MB 460-777629/1-A	Method Blank	Total/NA	Solid	6020B	777629
LCSSRM 460-777629/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	777629
460-233756-E-8-F MS	Matrix Spike	Total/NA	Solid	6020B	777629
460-233756-E-8-F MS ^25	Matrix Spike	Total/NA	Solid	6020B	777629
460-233756-E-8-F MS ^5	Matrix Spike	Total/NA	Solid	6020B	777629
460-233756-A-8-B DU	Duplicate	Total/NA	Solid	6020B	777629
460-233756-A-8-B DU ^25	Duplicate	Total/NA	Solid	6020B	777629
460-233756-A-8-B DU ^5	Duplicate	Total/NA	Solid	6020B	777629

General Chemistry

Leach Batch: 123663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	D3987-85	
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	D3987-85	

Prep Batch: 123900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9071B	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9071B	
MB 410-123900/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-123900/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121134-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	

General Chemistry (Continued)

Prep Batch: 123900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-121134-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121134-D-1-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 124294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9071B	123900
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9071B	123900
MB 410-123900/1-A	Method Blank	Total/NA	Solid	9071B	123900
LCS 410-123900/2-A	Lab Control Sample	Total/NA	Solid	9071B	123900
180-121134-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	123900
180-121134-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	123900
180-121134-D-1-D DU	Duplicate	Total/NA	Solid	9071B	123900

Analysis Batch: 124563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	1664A	123663
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	1664A	123663
MB 410-124563/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-124563/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-124563/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-38289-B-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Prep Batch: 126164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9071B	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9071B	
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9071B	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9071B	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9071B	
MB 410-126164/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-126164/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121279-D-1-E MS	Matrix Spike	Total/NA	Solid	9071B	
180-121279-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121279-D-1-G DU	Duplicate	Total/NA	Solid	9071B	

Leach Batch: 126367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	D3987-85	
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	D3987-85	
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 126526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9071B	126164
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9071B	126164
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9071B	126164
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9071B	126164
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9071B	126164
MB 410-126164/1-A	Method Blank	Total/NA	Solid	9071B	126164
LCS 410-126164/2-A	Lab Control Sample	Total/NA	Solid	9071B	126164
180-121279-D-1-E MS	Matrix Spike	Total/NA	Solid	9071B	126164

General Chemistry (Continued)

Analysis Batch: 126526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-121279-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	126164
180-121279-D-1-G DU	Duplicate	Total/NA	Solid	9071B	126164

Analysis Batch: 127252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	1664A	126367
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	1664A	126367
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	1664A	126367
MB 410-127252/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-127252/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-127252/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-38999-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Leach Batch: 775321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-775321/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-233342-B-2-B MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	

Analysis Batch: 775943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233463-1	WC-3-A (0-2)	Total/NA	Solid	Moisture	
460-233445-B-16 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 776127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7196A	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7196A	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7196A	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7196A	

Analysis Batch: 776190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	SM 2540G	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	SM 2540G	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	SM 2540G	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-776190/1	Method Blank	Total/NA	Solid	SM 2540G	
460-233560-1 DU	WC-4 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 776193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	Moisture	
460-233560-2	WC-4-A (1-3)	Total/NA	Solid	Moisture	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	Moisture	
460-233583-A-5 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-233583-B-5 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-233599-A-8 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 776210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9095B	

General Chemistry (Continued)

Analysis Batch: 776210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9095B	
200-58274-A-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 776211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	1030	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	1030	
200-58274-A-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 776251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-1	WC-5A (3-5)	Total/NA	Solid	Moisture	
460-233652-A-21 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 776253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-2	WC-6C (5-7)	Total/NA	Solid	Moisture	
460-233638-3	WC-6A (3-5)	Total/NA	Solid	Moisture	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	Moisture	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	Moisture	
460-233638-4 DU	WC-5 (0-5)	Total/NA	Solid	Moisture	

Leach Batch: 776324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	1311	
460-233560-3	WC-3 (0-5)	TCLP	Solid	1311	
460-233638-4	WC-5 (0-5)	TCLP	Solid	1311	
460-233638-5	WC-6 (0-5)	TCLP	Solid	1311	

Prep Batch: 776422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	3060A	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	3060A	
MB 460-776422/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-776422/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-776422/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233531-B-2-D MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233531-B-2-E MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233531-B-2-C DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 776472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7196A	776422
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7196A	776422
MB 460-776422/1-A	Method Blank	Total/NA	Solid	7196A	776422
LCSI 460-776422/3-A	Lab Control Sample	Total/NA	Solid	7196A	776422
LCSSRM 460-776422/2-A	Lab Control Sample	Total/NA	Solid	7196A	776422
460-233531-B-2-D MSS	Matrix Spike	Total/NA	Solid	7196A	776422
460-233531-B-2-E MSI	Matrix Spike	Total/NA	Solid	7196A	776422
460-233531-B-2-C DU	Duplicate	Total/NA	Solid	7196A	776422

General Chemistry

Analysis Batch: 776476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9045D	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9045D	
MB 460-776476/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-776476/3	Lab Control Sample	Total/NA	Solid	9045D	
460-233560-1 DU	WC-4 (0-5)	Total/NA	Solid	9045D	

Analysis Batch: 776477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9045D	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9045D	
MB 460-776477/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-776477/3	Lab Control Sample	Total/NA	Solid	9045D	
460-233635-H-10 DU	Duplicate	Total/NA	Solid	9045D	

Leach Batch: 776567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	D3987-85	
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-776567/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 776573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	D3987-85	
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	D3987-85	
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-776573/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-233638-5 DU	WC-6 (0-5)	ASTM Leach	Solid	D3987-85	

Leach Batch: 776776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-776776/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 776824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7196A	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7196A	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7196A	

Analysis Batch: 776881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	1664A	776567
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	1664A	776567
LB 460-776567/1-A	Method Blank	ASTM Leach	Solid	1664A	776567
MB 460-776881/1	Method Blank	Total/NA	Solid	1664A	
LCS 460-776881/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 460-776881/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
460-233545-H-1 MS	Matrix Spike	Total/NA	Solid	1664A	

General Chemistry

Analysis Batch: 776886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	TCLP	Solid	9040C	776324
460-233560-3	WC-3 (0-5)	TCLP	Solid	9040C	776324
460-233638-4	WC-5 (0-5)	TCLP	Solid	9040C	776324
460-233638-5	WC-6 (0-5)	TCLP	Solid	9040C	776324

Analysis Batch: 776888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	SM 2540G	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	SM 2540G	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	SM 2540G	
MB 460-776888/1	Method Blank	Total/NA	Solid	SM 2540G	
460-233790-1 DU	WC-8 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 776892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	SM 2540B	776573
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	SM 2540B	776573
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	SM 2540B	776776
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	SM 2540B	776573
LB 460-776776/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	776776
MB 460-776892/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-776892/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-776892/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-233638-5 DU	WC-6 (0-5)	ASTM Leach	Solid	SM 2540B	776573

Leach Batch: 777018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	D3987-85	
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	D3987-85	
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	D3987-85	
LB 460-777018/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-233790-3 MS	WC-6_WC-7 (5-10)	ASTM Leach	Solid	D3987-85	
460-233790-3 MSD	WC-6_WC-7 (5-10)	ASTM Leach	Solid	D3987-85	
460-233790-2 DU	WC-7 (0-5)	ASTM Leach	Solid	D3987-85	

Leach Batch: 777020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	TCLP	Solid	1311	
460-233790-2	WC-7 (0-5)	TCLP	Solid	1311	
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	1311	

Analysis Batch: 777042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	410.4	776573
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	410.4	776573
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	410.4	776573
LB 460-775321/1-A	Method Blank	ASTM Leach	Solid	410.4	775321
LCSSRM 460-777042/29	Lab Control Sample	Total/NA	Solid	410.4	
LCSSRM 460-777042/5	Lab Control Sample	Total/NA	Solid	410.4	
460-233342-B-2-B MSD	Matrix Spike Duplicate	ASTM Leach	Solid	410.4	775321
460-233474-C-1 MS	Matrix Spike	Total/NA	Solid	410.4	

General Chemistry (Continued)

Analysis Batch: 777042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233474-C-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Prep Batch: 777148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9012B	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9012B	
MB 460-777148/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-777148/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-233416-A-26-C MS	Matrix Spike	Total/NA	Solid	9012B	
460-233416-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 777206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233882-1	WC-9C (3-5)	Total/NA	Solid	Moisture	
460-234012-A-22 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-234012-A-22 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-233837-A-4 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 777224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9012B	777148
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9012B	777148
MB 460-777148/1-A	Method Blank	Total/NA	Solid	9012B	777148
LCSSRM 460-777148/2-A	Lab Control Sample	Total/NA	Solid	9012B	777148
460-233416-A-26-C MS	Matrix Spike	Total/NA	Solid	9012B	777148
460-233416-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	777148

Analysis Batch: 777278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	Moisture	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	Moisture	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	Moisture	
460-233790-4	WC-8A (7-9)	Total/NA	Solid	Moisture	
460-233790-5	WC-8A (1-3)	Total/NA	Solid	Moisture	
460-233790-6	WC-7D (1-3)	Total/NA	Solid	Moisture	
460-233790-1 DU	WC-8 (0-5)	Total/NA	Solid	Moisture	

Analysis Batch: 777286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	410.4	776776
LB 460-776776/1-A	Method Blank	ASTM Leach	Solid	410.4	776776
MB 460-777286/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-777286/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-777286/3	Lab Control Sample	Total/NA	Solid	410.4	
460-233705-A-1 MS	Matrix Spike	Total/NA	Solid	410.4	
460-233705-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Analysis Batch: 777389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	SM 2540B	777018
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	SM 2540B	777018

General Chemistry (Continued)

Analysis Batch: 777389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	SM 2540B	777018
LB 460-777018/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	777018
MB 460-777389/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-777389/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-777389/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-233790-2 DU	WC-7 (0-5)	ASTM Leach	Solid	SM 2540B	777018

Prep Batch: 777441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	3060A	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	3060A	
460-233790-1	WC-8 (0-5)	Total/NA	Solid	3060A	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	3060A	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	3060A	
MB 460-777441/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-777441/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-777441/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233309-H-10-N MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233309-H-10-O MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233309-H-10-M DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 777458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9095B	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9095B	
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9095B	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9095B	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9095B	
460-233866-C-2 DU	Duplicate	Total/NA	Solid	9095B	

Prep Batch: 777472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7.3.4	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7.3.4	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7.3.4	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7.3.4	
MB 460-777472/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-777472/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-233467-A-5-H MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-233467-A-5-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 777474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	7.3.3	
460-233560-3	WC-3 (0-5)	Total/NA	Solid	7.3.3	
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7.3.3	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7.3.3	
MB 460-777474/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-777474/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-233467-A-5-K DU	Duplicate	Total/NA	Solid	7.3.3	

General Chemistry

Analysis Batch: 777475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	1030	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	1030	
460-233790-1	WC-8 (0-5)	Total/NA	Solid	1030	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	1030	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	1030	
460-233638-4 DU	WC-5 (0-5)	Total/NA	Solid	1030	

Analysis Batch: 777521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9034	777472
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9034	777472
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9034	777472
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9034	777472
MB 460-777472/1-A	Method Blank	Total/NA	Solid	9034	777472
LCSSRM 460-777472/3-A	Lab Control Sample	Total/NA	Solid	9034	777472
460-233467-A-5-H MS	Matrix Spike	Total/NA	Solid	9034	777472
460-233467-A-5-I MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	777472

Analysis Batch: 777522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Total/NA	Solid	9014	777474
460-233560-3	WC-3 (0-5)	Total/NA	Solid	9014	777474
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9014	777474
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9014	777474
MB 460-777474/1-A	Method Blank	Total/NA	Solid	9014	777474
LCS 460-777474/2-A	Lab Control Sample	Total/NA	Solid	9014	777474
460-233467-A-5-K DU	Duplicate	Total/NA	Solid	9014	777474

Analysis Batch: 777665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	7196A	777441
460-233638-5	WC-6 (0-5)	Total/NA	Solid	7196A	777441
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7196A	777441
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7196A	777441
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7196A	777441
MB 460-777441/1-A	Method Blank	Total/NA	Solid	7196A	777441
LCSI 460-777441/3-A	Lab Control Sample	Total/NA	Solid	7196A	777441
LCSSRM 460-777441/2-A	Lab Control Sample	Total/NA	Solid	7196A	777441
460-233309-H-10-N MSS	Matrix Spike	Total/NA	Solid	7196A	777441
460-233309-H-10-O MSI	Matrix Spike	Total/NA	Solid	7196A	777441
460-233309-H-10-M DU	Duplicate	Total/NA	Solid	7196A	777441

Leach Batch: 777675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Soluble	Solid	DI Leach	
460-233560-3	WC-3 (0-5)	Soluble	Solid	DI Leach	
460-233638-4	WC-5 (0-5)	Soluble	Solid	DI Leach	
460-233638-5	WC-6 (0-5)	Soluble	Solid	DI Leach	
460-233790-1	WC-8 (0-5)	Soluble	Solid	DI Leach	
460-233790-2	WC-7 (0-5)	Soluble	Solid	DI Leach	
460-233790-3	WC-6_WC-7 (5-10)	Soluble	Solid	DI Leach	

General Chemistry

Analysis Batch: 777677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	Soluble	Solid	9040C	777675
460-233560-3	WC-3 (0-5)	Soluble	Solid	9040C	777675
460-233638-4	WC-5 (0-5)	Soluble	Solid	9040C	777675
460-233638-5	WC-6 (0-5)	Soluble	Solid	9040C	777675
460-233790-1	WC-8 (0-5)	Soluble	Solid	9040C	777675
460-233790-1	WC-8 (0-5)	TCLP	Solid	9040C	777020
460-233790-2	WC-7 (0-5)	Soluble	Solid	9040C	777675
460-233790-2	WC-7 (0-5)	TCLP	Solid	9040C	777020
460-233790-3	WC-6_WC-7 (5-10)	Soluble	Solid	9040C	777675
460-233790-3	WC-6_WC-7 (5-10)	TCLP	Solid	9040C	777020

Prep Batch: 777714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9012B	
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9012B	
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9012B	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9012B	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9012B	
MB 460-777714/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-777714/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-233756-F-8-L MS	Matrix Spike	Total/NA	Solid	9012B	
460-233756-F-8-M MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	
460-233756-F-10-I MS	Matrix Spike	Total/NA	Solid	9012B	
460-233756-F-10-J MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 777746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233560-1	WC-4 (0-5)	ASTM Leach	Solid	4500 NH3 H	776573
460-233560-3	WC-3 (0-5)	ASTM Leach	Solid	4500 NH3 H	776573
460-233638-4	WC-5 (0-5)	ASTM Leach	Solid	4500 NH3 H	776776
460-233638-5	WC-6 (0-5)	ASTM Leach	Solid	4500 NH3 H	776573
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	4500 NH3 H	777018
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	4500 NH3 H	777018
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	4500 NH3 H	777018
LB 460-776573/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	776573
LB 460-776776/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	776776
LB 460-777018/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	777018
MB 460-777746/13	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-777746/14	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-777746/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-233442-L-1 MS	Matrix Spike	Total/NA	Solid	4500 NH3 H	
460-233442-L-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	4500 NH3 H	
460-233790-3 MS	WC-6_WC-7 (5-10)	ASTM Leach	Solid	4500 NH3 H	777018
460-233790-3 MSD	WC-6_WC-7 (5-10)	ASTM Leach	Solid	4500 NH3 H	777018

Analysis Batch: 777762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9045D	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9045D	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9045D	
MB 460-777762/2	Method Blank	Total/NA	Solid	9045D	

General Chemistry (Continued)

Analysis Batch: 777762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-777762/3	Lab Control Sample	Total/NA	Solid	9045D	
460-233485-C-1 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 777791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7.3.4	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7.3.4	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7.3.4	
MB 460-777791/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-777791/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-233790-1 MS	WC-8 (0-5)	Total/NA	Solid	7.3.4	
460-233790-1 MSD	WC-8 (0-5)	Total/NA	Solid	7.3.4	

Prep Batch: 777792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	7.3.3	
460-233790-2	WC-7 (0-5)	Total/NA	Solid	7.3.3	
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	7.3.3	
MB 460-777792/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-777792/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-233790-1 DU	WC-8 (0-5)	Total/NA	Solid	7.3.3	

Analysis Batch: 777794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9034	777791
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9034	777791
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9034	777791
MB 460-777791/1-A	Method Blank	Total/NA	Solid	9034	777791
LCSSRM 460-777791/3-A	Lab Control Sample	Total/NA	Solid	9034	777791
460-233790-1 MS	WC-8 (0-5)	Total/NA	Solid	9034	777791
460-233790-1 MSD	WC-8 (0-5)	Total/NA	Solid	9034	777791

Analysis Batch: 777798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9014	777792
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9014	777792
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9014	777792
MB 460-777792/1-A	Method Blank	Total/NA	Solid	9014	777792
LCS 460-777792/2-A	Lab Control Sample	Total/NA	Solid	9014	777792
460-233790-1 DU	WC-8 (0-5)	Total/NA	Solid	9014	777792

Analysis Batch: 777809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233790-1	WC-8 (0-5)	ASTM Leach	Solid	410.4	777018
460-233790-2	WC-7 (0-5)	ASTM Leach	Solid	410.4	777018
460-233790-3	WC-6_WC-7 (5-10)	ASTM Leach	Solid	410.4	777018
LB 460-777018/1-A	Method Blank	ASTM Leach	Solid	410.4	777018
MB 460-777809/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-777809/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-777809/3	Lab Control Sample	Total/NA	Solid	410.4	

General Chemistry

Analysis Batch: 778039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233638-4	WC-5 (0-5)	Total/NA	Solid	9012B	777714
460-233638-5	WC-6 (0-5)	Total/NA	Solid	9012B	777714
460-233790-1	WC-8 (0-5)	Total/NA	Solid	9012B	777714
460-233790-2	WC-7 (0-5)	Total/NA	Solid	9012B	777714
460-233790-3	WC-6_WC-7 (5-10)	Total/NA	Solid	9012B	777714
MB 460-777714/1-A	Method Blank	Total/NA	Solid	9012B	777714
LCSSRM 460-777714/2-A	Lab Control Sample	Total/NA	Solid	9012B	777714
460-233756-F-8-L MS	Matrix Spike	Total/NA	Solid	9012B	777714
460-233756-F-8-M MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	777714
460-233756-F-10-I MS	Matrix Spike	Total/NA	Solid	9012B	777714
460-233756-F-10-J MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	777714

Client Sample ID: WC-3-A (0-2)

Lab Sample ID: 460-233463-1

Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			775823	05/05/21 04:13	BJB	TAL EDI
TCLP	Analysis	8260D		10	776177	05/06/21 18:52	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	775943	05/05/21 12:04	MMC	TAL EDI

Client Sample ID: WC-3-A (0-2)

Lab Sample ID: 460-233463-1

Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/03/21 18:00
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			775794	05/04/21 23:08	AVM	TAL EDI
Total/NA	Analysis	8260D		1	776262	05/06/21 19:42	AAT	TAL EDI

Client Sample ID: WC-4 (0-5)

Lab Sample ID: 460-233560-1

Date Collected: 05/04/21 11:30
Matrix: Solid
Date Received: 05/04/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776467	05/07/21 10:36	OTS	TAL EDI
TCLP	Analysis	8270E		1	776525	05/08/21 01:00	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776560	05/07/21 19:38	OXG	TAL EDI
TCLP	Analysis	8081B		1	776828	05/10/21 07:37	FAM	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			776591	05/07/21 23:44	AFR	TAL EDI
TCLP	Analysis	8151A		1	776875	05/10/21 13:48	JHP	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			776529	05/07/21 16:55	GAE	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 18:29	CDC	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			776484	05/07/21 13:03	RBS	TAL EDI
TCLP	Analysis	7470A		1	776538	05/07/21 15:40	RBS	TAL EDI
Total/NA	Analysis	1030		1	776211	05/06/21 10:13	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			776567	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	1664A		1	776881	05/10/21 08:00	RPC	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777042	05/10/21 18:31	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:18	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776127	05/11/21 06:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			777474	05/12/21 12:49	YAH	TAL EDI
Total/NA	Analysis	9014		1	777522	05/12/21 16:03	YAH	TAL EDI
Total/NA	Prep	7.3.4			777472	05/12/21 12:43	YAH	TAL EDI
Total/NA	Analysis	9034		1	777521	05/12/21 16:01	YAH	TAL EDI

Client Sample ID: WC-4 (0-5)

Lab Sample ID: 460-233560-1

Date Collected: 05/04/21 11:30

Matrix: Solid

Date Received: 05/04/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			777675	05/07/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/07/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	776886	05/07/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	776476	05/07/21 12:22	AAP	TAL EDI
Total/NA	Analysis	9095B		1	776210	05/06/21 11:05	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	776193	05/06/21 09:04	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	776892	05/10/21 09:32	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776190	05/06/21 08:36	PLS	TAL EDI

Client Sample ID: WC-4 (0-5)

Lab Sample ID: 460-233560-1

Date Collected: 05/04/21 11:30

Matrix: Solid

Date Received: 05/04/21 19:00

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776027	05/05/21 17:13	DMS	TAL EDI
Total/NA	Analysis	8270E		1	776000	05/06/21 04:50	MME	TAL EDI
Total/NA	Prep	3546			776200	05/06/21 09:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776353	05/07/21 07:27	FAM	TAL EDI
Total/NA	Prep	3546			776198	05/06/21 09:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776441	05/07/21 13:58	CDC	TAL EDI
Total/NA	Prep	8151A			776559	05/07/21 19:36	JMS	TAL EDI
Total/NA	Analysis	8151A		1	776875	05/10/21 13:21	JHP	TAL EDI
Total/NA	Prep	3546			776202	05/06/21 09:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776389	05/07/21 13:10	KMH	TAL EDI
Total/NA	Prep	3050B			776825	05/10/21 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		1	776904	05/10/21 15:51	MDC	TAL EDI
Total/NA	Prep	7471B			776352	05/07/21 03:20	TJS	TAL EDI
Total/NA	Analysis	7471B		3	776469	05/07/21 10:27	TJS	TAL EDI
Total/NA	Prep	3060A			776422	05/07/21 08:07	RPC	TAL EDI
Total/NA	Analysis	7196A		1	776472	05/07/21 15:27	RPC	TAL EDI
Total/NA	Prep	9012B			777148	05/11/21 09:12	AAP	TAL EDI
Total/NA	Analysis	9012B		1	777224	05/11/21 14:52	RAK	TAL EDI
Total/NA	Prep	9071B			123900	05/07/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	124294	05/10/21 08:25	UYB0	ELLE

Client Sample ID: WC-4-A (1-3)

Lab Sample ID: 460-233560-2

Date Collected: 05/04/21 11:25

Matrix: Solid

Date Received: 05/04/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776121	05/06/21 04:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	776420	05/07/21 15:13	MZS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-4-A (1-3)
Date Collected: 05/04/21 11:25
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	776193	05/06/21 09:04	MMC	TAL EDI

Client Sample ID: WC-4-A (1-3)
Date Collected: 05/04/21 11:25
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-2
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776071	05/05/21 20:55	AVM	TAL EDI
Total/NA	Analysis	8260D		1	776504	05/08/21 01:01	AAT	TAL EDI

Client Sample ID: WC-3 (0-5)
Date Collected: 05/04/21 09:30
Date Received: 05/04/21 19:00

Lab Sample ID: 460-233560-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776467	05/07/21 10:36	OTS	TAL EDI
TCLP	Analysis	8270E		1	776525	05/08/21 01:21	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776560	05/07/21 19:38	OXG	TAL EDI
TCLP	Analysis	8081B		1	776828	05/10/21 07:49	FAM	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			776591	05/07/21 23:44	AFR	TAL EDI
TCLP	Analysis	8151A		1	776875	05/10/21 14:02	JHP	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			776529	05/07/21 16:55	GAE	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 18:33	CDC	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			776484	05/07/21 13:03	RBS	TAL EDI
TCLP	Analysis	7470A		1	776538	05/07/21 15:52	RBS	TAL EDI
Total/NA	Analysis	1030		1	776211	05/06/21 10:13	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			776567	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	1664A		1	776881	05/10/21 08:00	RPC	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777042	05/10/21 18:31	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:20	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776127	05/11/21 06:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			777474	05/12/21 12:49	YAH	TAL EDI
Total/NA	Analysis	9014		1	777522	05/12/21 16:03	YAH	TAL EDI
Total/NA	Prep	7.3.4			777472	05/12/21 12:43	YAH	TAL EDI
Total/NA	Analysis	9034		1	777521	05/12/21 16:01	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/07/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/07/21 12:00	YAH	TAL EDI

Client Sample ID: WC-3 (0-5)

Lab Sample ID: 460-233560-3

Date Collected: 05/04/21 09:30

Matrix: Solid

Date Received: 05/04/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	776886	05/07/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	776476	05/07/21 12:26	AAP	TAL EDI
Total/NA	Analysis	9095B		1	776210	05/06/21 11:10	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	776193	05/06/21 09:04	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	776892	05/10/21 09:32	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776190	05/06/21 08:36	PLS	TAL EDI

Client Sample ID: WC-3 (0-5)

Lab Sample ID: 460-233560-3

Date Collected: 05/04/21 09:30

Matrix: Solid

Date Received: 05/04/21 19:00

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776027	05/05/21 17:13	DMS	TAL EDI
Total/NA	Analysis	8270E		1	776000	05/06/21 05:14	MME	TAL EDI
Total/NA	Prep	3546			776200	05/06/21 09:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776353	05/07/21 07:39	FAM	TAL EDI
Total/NA	Prep	3546			776198	05/06/21 09:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776441	05/07/21 14:17	CDC	TAL EDI
Total/NA	Prep	8151A			776559	05/07/21 19:36	JMS	TAL EDI
Total/NA	Analysis	8151A		1	776875	05/10/21 13:35	JHP	TAL EDI
Total/NA	Prep	3546			776202	05/06/21 09:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776389	05/07/21 13:24	KMH	TAL EDI
Total/NA	Prep	3050B			776825	05/10/21 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		1	776904	05/10/21 16:39	MDC	TAL EDI
Total/NA	Prep	7471B			776352	05/07/21 03:20	TJS	TAL EDI
Total/NA	Analysis	7471B		5	776469	05/07/21 10:29	TJS	TAL EDI
Total/NA	Prep	3060A			776422	05/07/21 08:07	RPC	TAL EDI
Total/NA	Analysis	7196A		1	776472	05/07/21 15:27	RPC	TAL EDI
Total/NA	Prep	9012B			777148	05/11/21 09:12	AAP	TAL EDI
Total/NA	Analysis	9012B		1	777224	05/11/21 14:53	RAK	TAL EDI
Total/NA	Prep	9071B			123900	05/07/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	124294	05/10/21 08:25	UYB0	ELLE

Client Sample ID: WC-5A (3-5)

Lab Sample ID: 460-233638-1

Date Collected: 05/05/21 08:50

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776121	05/06/21 04:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	776420	05/07/21 15:39	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	776251	05/06/21 15:14	MMC	TAL EDI

Client Sample ID: WC-5A (3-5)

Lab Sample ID: 460-233638-1

Date Collected: 05/05/21 08:50

Matrix: Solid

Date Received: 05/05/21 17:30

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776183	05/06/21 07:38	YXG	TAL EDI
Total/NA	Analysis	8260D		1	776842	05/10/21 13:46	AAT	TAL EDI

Client Sample ID: WC-6C (5-7)

Lab Sample ID: 460-233638-2

Date Collected: 05/05/21 11:45

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776121	05/06/21 04:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	776420	05/07/21 16:04	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	776253	05/06/21 15:36	MMC	TAL EDI

Client Sample ID: WC-6C (5-7)

Lab Sample ID: 460-233638-2

Date Collected: 05/05/21 11:45

Matrix: Solid

Date Received: 05/05/21 17:30

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776183	05/06/21 07:39	YXG	TAL EDI
Total/NA	Analysis	8260D		1	776842	05/10/21 14:09	AAT	TAL EDI

Client Sample ID: WC-6A (3-5)

Lab Sample ID: 460-233638-3

Date Collected: 05/05/21 13:30

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776121	05/06/21 04:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	776420	05/07/21 16:30	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	776253	05/06/21 15:36	MMC	TAL EDI

Client Sample ID: WC-6A (3-5)

Lab Sample ID: 460-233638-3

Date Collected: 05/05/21 13:30

Matrix: Solid

Date Received: 05/05/21 17:30

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776183	05/06/21 07:41	YXG	TAL EDI
Total/NA	Analysis	8260D		1	776842	05/10/21 14:33	AAT	TAL EDI

Client Sample ID: WC-5 (0-5)

Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776467	05/07/21 10:36	OTS	TAL EDI
TCLP	Analysis	8270E		1	776525	05/08/21 02:04	YAH	TAL EDI

Client Sample ID: WC-5 (0-5)

Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776561	05/07/21 19:42	OXG	TAL EDI
TCLP	Analysis	8081B		1	776828	05/10/21 12:25	FAM	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			776591	05/07/21 23:44	AFR	TAL EDI
TCLP	Analysis	8151A		1	776875	05/10/21 14:15	JHP	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			776529	05/07/21 16:55	GAE	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 18:25	CDC	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			776484	05/07/21 13:04	RBS	TAL EDI
TCLP	Analysis	7470A		1	776538	05/07/21 15:59	RBS	TAL EDI
Total/NA	Analysis	1030		1	777475	05/12/21 12:59	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			123663	05/07/21 14:00	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	124563	05/10/21 17:08	QT6L	ELLE
ASTM Leach	Leach	D3987-85			776776	05/09/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777286	05/11/21 18:20	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			776776	05/09/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:15	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776127	05/06/21 05:11	TJW	TAL EDI
Total/NA	Prep	7.3.3			777474	05/12/21 12:49	YAH	TAL EDI
Total/NA	Analysis	9014		1	777522	05/12/21 16:03	YAH	TAL EDI
Total/NA	Prep	7.3.4			777472	05/12/21 12:43	YAH	TAL EDI
Total/NA	Analysis	9034		1	777521	05/12/21 16:01	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/07/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/07/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	776886	05/07/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	776477	05/07/21 13:39	AAP	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	776253	05/06/21 15:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			776776	05/09/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	776892	05/10/21 13:51	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776190	05/06/21 08:36	PLS	TAL EDI

Client Sample ID: WC-5 (0-5)

Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25

Matrix: Solid

Date Received: 05/05/21 17:30

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776509	05/07/21 16:02	DMS	TAL EDI
Total/NA	Analysis	8270E		1	776537	05/08/21 05:24	YAH	TAL EDI
Total/NA	Prep	3546			776200	05/06/21 09:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776353	05/07/21 10:23	FAM	TAL EDI

Client Sample ID: WC-5 (0-5)

Lab Sample ID: 460-233638-4

Date Collected: 05/05/21 10:25
Date Received: 05/05/21 17:30

Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776198	05/06/21 09:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776441	05/07/21 18:11	CDC	TAL EDI
Total/NA	Prep	8151A			776559	05/07/21 19:36	JMS	TAL EDI
Total/NA	Analysis	8151A		1	776875	05/10/21 12:54	JHP	TAL EDI
Total/NA	Prep	3546			776068	05/06/21 09:39	JMS	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776390	05/07/21 10:09	KMH	TAL EDI
Total/NA	Prep	3050B			776825	05/10/21 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		1	776904	05/10/21 16:17	MDC	TAL EDI
Total/NA	Prep	7471B			776827	05/10/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	776912	05/10/21 07:31	TJS	TAL EDI
Total/NA	Prep	3060A			777441	05/12/21 09:55	RPC	TAL EDI
Total/NA	Analysis	7196A		1	777665	05/13/21 12:25	RPC	TAL EDI
Total/NA	Prep	9012B			777714	05/13/21 10:43	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778039	05/14/21 14:27	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-6 (0-5)

Lab Sample ID: 460-233638-5

Date Collected: 05/05/21 13:25
Date Received: 05/05/21 17:30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776467	05/07/21 10:36	OTS	TAL EDI
TCLP	Analysis	8270E		1	776525	05/08/21 02:25	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			776561	05/07/21 19:42	OXG	TAL EDI
TCLP	Analysis	8081B		1	776828	05/10/21 12:38	FAM	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			776591	05/07/21 23:44	AFR	TAL EDI
TCLP	Analysis	8151A		1	776875	05/10/21 14:29	JHP	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			776529	05/07/21 16:55	GAE	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 18:16	CDC	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			776484	05/07/21 13:04	RBS	TAL EDI
TCLP	Analysis	7470A		1	776538	05/07/21 16:01	RBS	TAL EDI
Total/NA	Analysis	1030		1	777475	05/12/21 12:59	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			123663	05/07/21 14:00	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	124563	05/10/21 17:08	QT6L	ELLE
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777042	05/10/21 18:31	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:21	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776127	05/06/21 05:11	TJW	TAL EDI

Client Sample ID: WC-6 (0-5)

Lab Sample ID: 460-233638-5

Date Collected: 05/05/21 13:25

Matrix: Solid

Date Received: 05/05/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.3			777474	05/12/21 12:49	YAH	TAL EDI
Total/NA	Analysis	9014		1	777522	05/12/21 16:03	YAH	TAL EDI
Total/NA	Prep	7.3.4			777472	05/12/21 12:43	YAH	TAL EDI
Total/NA	Analysis	9034		1	777521	05/12/21 16:01	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/07/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/07/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			776324	05/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	776886	05/07/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	776477	05/07/21 13:41	AAP	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	776253	05/06/21 15:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			776573	05/07/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	776892	05/10/21 09:32	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776190	05/06/21 08:36	PLS	TAL EDI

Client Sample ID: WC-6 (0-5)

Lab Sample ID: 460-233638-5

Date Collected: 05/05/21 13:25

Matrix: Solid

Date Received: 05/05/21 17:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776509	05/07/21 16:02	DMS	TAL EDI
Total/NA	Analysis	8270E		1	776537	05/08/21 05:48	YAH	TAL EDI
Total/NA	Prep	3546			776200	05/06/21 09:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776353	05/07/21 10:36	FAM	TAL EDI
Total/NA	Prep	3546			776198	05/06/21 09:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776441	05/07/21 18:31	CDC	TAL EDI
Total/NA	Prep	8151A			776559	05/07/21 19:36	JMS	TAL EDI
Total/NA	Analysis	8151A		1	776875	05/10/21 13:08	JHP	TAL EDI
Total/NA	Prep	3546			776068	05/06/21 09:39	JMS	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776390	05/07/21 10:27	KMH	TAL EDI
Total/NA	Prep	3050B			776825	05/10/21 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		1	776904	05/10/21 16:41	MDC	TAL EDI
Total/NA	Prep	3050B			776825	05/10/21 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		5	776904	05/10/21 16:45	MDC	TAL EDI
Total/NA	Prep	7471B			776827	05/10/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		10	776912	05/10/21 10:48	TJS	TAL EDI
Total/NA	Prep	3060A			777441	05/12/21 09:55	RPC	TAL EDI
Total/NA	Analysis	7196A		1	777665	05/13/21 12:25	RPC	TAL EDI
Total/NA	Prep	9012B			777714	05/13/21 10:43	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778039	05/14/21 14:28	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-8 (0-5)

Date Collected: 05/06/21 14:15
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777163	05/11/21 10:06	DXB	TAL EDI
TCLP	Analysis	8270E		1	777270	05/11/21 21:19	MME	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777221	05/11/21 15:07	ATF	TAL EDI
TCLP	Analysis	8081B		1	777342	05/12/21 06:46	FAM	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	8151A			777223	05/11/21 15:22	ATF	TAL EDI
TCLP	Analysis	8151A		1	777450	05/12/21 13:23	JHP	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3010A			777391	05/12/21 07:15	GMC	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 17:19	CDC	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	7470A			777203	05/11/21 13:01	RBS	TAL EDI
TCLP	Analysis	7470A		1	777276	05/11/21 16:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	777475	05/12/21 13:00	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	777809	05/13/21 18:09	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:34	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776824	05/09/21 21:19	TJW	TAL EDI
Total/NA	Prep	7.3.3			777792	05/13/21 16:58	YAH	TAL EDI
Total/NA	Analysis	9014		1	777798	05/13/21 17:04	YAH	TAL EDI
Total/NA	Prep	7.3.4			777791	05/13/21 16:54	YAH	TAL EDI
Total/NA	Analysis	9034		1	777794	05/13/21 17:02	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/11/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	777762	05/13/21 13:55	YAH	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	777389	05/12/21 07:01	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776888	05/10/21 08:37	PLS	TAL EDI

Client Sample ID: WC-8 (0-5)

Lab Sample ID: 460-233790-1

Date Collected: 05/06/21 14:15

Matrix: Solid

Date Received: 05/06/21 19:00

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776589	05/07/21 23:38	AFR	TAL EDI
Total/NA	Analysis	8270E		1	776688	05/09/21 02:33	YAH	TAL EDI
Total/NA	Prep	3546			776781	05/09/21 15:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776952	05/10/21 21:43	FAM	TAL EDI
Total/NA	Prep	3546			776780	05/09/21 15:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776966	05/10/21 23:25	JHP	TAL EDI
Total/NA	Prep	8151A			776794	05/09/21 17:44	AFR	TAL EDI
Total/NA	Analysis	8151A		1	777449	05/12/21 15:37	CDC	TAL EDI
Total/NA	Prep	3546			776587	05/07/21 21:09	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776604	05/08/21 18:09	KMH	TAL EDI
Total/NA	Prep	3050B			777629	05/13/21 05:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	777697	05/13/21 13:49	MDC	TAL EDI
Total/NA	Prep	7471B			777334	05/12/21 03:04	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777426	05/12/21 07:07	TJS	TAL EDI
Total/NA	Prep	3060A			777441	05/12/21 09:55	RPC	TAL EDI
Total/NA	Analysis	7196A		1	777665	05/13/21 13:12	RPC	TAL EDI
Total/NA	Prep	9012B			777714	05/13/21 10:43	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778039	05/14/21 14:45	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-7 (0-5)

Lab Sample ID: 460-233790-2

Date Collected: 05/06/21 13:40

Matrix: Solid

Date Received: 05/06/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777163	05/11/21 10:06	DXB	TAL EDI
TCLP	Analysis	8270E		1	777270	05/11/21 21:41	MME	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777221	05/11/21 15:07	ATF	TAL EDI
TCLP	Analysis	8081B		1	777342	05/12/21 07:00	FAM	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	8151A			777223	05/11/21 15:22	ATF	TAL EDI
TCLP	Analysis	8151A		1	777450	05/12/21 13:38	JHP	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3010A			777391	05/12/21 07:15	GMC	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 17:23	CDC	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	7470A			777203	05/11/21 13:01	RBS	TAL EDI
TCLP	Analysis	7470A		1	777276	05/11/21 16:34	RBS	TAL EDI
Total/NA	Analysis	1030		1	777475	05/12/21 13:00	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE

Client Sample ID: WC-7 (0-5)

Lab Sample ID: 460-233790-2

Date Collected: 05/06/21 13:40

Matrix: Solid

Date Received: 05/06/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	777809	05/13/21 18:09	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:36	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776824	05/09/21 21:19	TJW	TAL EDI
Total/NA	Prep	7.3.3			777792	05/13/21 16:58	YAH	TAL EDI
Total/NA	Analysis	9014		1	777798	05/13/21 17:04	YAH	TAL EDI
Total/NA	Prep	7.3.4			777791	05/13/21 16:54	YAH	TAL EDI
Total/NA	Analysis	9034		1	777794	05/13/21 17:02	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/11/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	777762	05/13/21 13:57	YAH	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	777389	05/12/21 07:01	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	776888	05/10/21 08:37	PLS	TAL EDI

Client Sample ID: WC-7 (0-5)

Lab Sample ID: 460-233790-2

Date Collected: 05/06/21 13:40

Matrix: Solid

Date Received: 05/06/21 19:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776589	05/07/21 23:38	AFR	TAL EDI
Total/NA	Analysis	8270E		1	776688	05/09/21 02:11	YAH	TAL EDI
Total/NA	Prep	3546			776781	05/09/21 15:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776952	05/10/21 21:59	FAM	TAL EDI
Total/NA	Prep	3546			776780	05/09/21 15:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776966	05/10/21 23:44	JHP	TAL EDI
Total/NA	Prep	8151A			776794	05/09/21 17:44	AFR	TAL EDI
Total/NA	Analysis	8151A		1	777449	05/12/21 15:51	CDC	TAL EDI
Total/NA	Prep	3546			776587	05/07/21 21:09	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776604	05/08/21 18:23	KMH	TAL EDI
Total/NA	Prep	3050B			777629	05/13/21 05:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	777697	05/13/21 13:52	MDC	TAL EDI
Total/NA	Prep	7471B			777334	05/12/21 03:04	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777426	05/12/21 07:08	TJS	TAL EDI
Total/NA	Prep	3060A			777441	05/12/21 09:55	RPC	TAL EDI
Total/NA	Analysis	7196A		1	777665	05/13/21 13:12	RPC	TAL EDI
Total/NA	Prep	9012B			777714	05/13/21 10:43	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778039	05/14/21 14:45	HTV	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Client Sample ID: WC-7 (0-5)

Date Collected: 05/06/21 13:40
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-2

Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-6_WC-7 (5-10)

Date Collected: 05/06/21 12:20
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777163	05/11/21 10:06	DXB	TAL EDI
TCLP	Analysis	8270E		1	777270	05/11/21 22:02	MME	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3510C			777221	05/11/21 15:07	ATF	TAL EDI
TCLP	Analysis	8081B		1	777342	05/12/21 07:15	FAM	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	8151A			777223	05/11/21 15:22	ATF	TAL EDI
TCLP	Analysis	8151A		1	777450	05/12/21 13:53	JHP	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	3010A			777391	05/12/21 07:15	GMC	TAL EDI
TCLP	Analysis	6010D		5	777461	05/12/21 17:27	CDC	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Prep	7470A			777203	05/11/21 13:01	RBS	TAL EDI
TCLP	Analysis	7470A		1	777276	05/11/21 16:35	RBS	TAL EDI
Total/NA	Analysis	1030		1	777475	05/12/21 13:00	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	777809	05/13/21 18:09	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	777746	05/13/21 13:45	RAK	TAL EDI
Total/NA	Analysis	7196A		1	776824	05/09/21 21:19	TJW	TAL EDI
Total/NA	Prep	7.3.3			777792	05/13/21 16:58	YAH	TAL EDI
Total/NA	Analysis	9014		1	777798	05/13/21 17:04	YAH	TAL EDI
Total/NA	Prep	7.3.4			777791	05/13/21 16:54	YAH	TAL EDI
Total/NA	Analysis	9034		1	777794	05/13/21 17:02	YAH	TAL EDI
Soluble	Leach	DI Leach			777675	05/11/21 11:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
TCLP	Leach	1311			777020	05/10/21 17:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	777677	05/11/21 12:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	777762	05/13/21 14:01	YAH	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777018	05/10/21 14:55	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	777389	05/12/21 07:01	PLS	TAL EDI

Client Sample ID: WC-6_WC-7 (5-10)

Lab Sample ID: 460-233790-3

Date Collected: 05/06/21 12:20

Matrix: Solid

Date Received: 05/06/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	776888	05/10/21 08:37	PLS	TAL EDI

Client Sample ID: WC-6_WC-7 (5-10)

Lab Sample ID: 460-233790-3

Date Collected: 05/06/21 12:20

Matrix: Solid

Date Received: 05/06/21 19:00

Percent Solids: 63.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			776589	05/07/21 23:38	AFR	TAL EDI
Total/NA	Analysis	8270E		1	776688	05/09/21 01:26	YAH	TAL EDI
Total/NA	Prep	3546			776781	05/09/21 15:29	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	776952	05/10/21 22:15	FAM	TAL EDI
Total/NA	Prep	3546			776780	05/09/21 15:25	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	776966	05/11/21 00:04	JHP	TAL EDI
Total/NA	Prep	8151A			776794	05/09/21 17:44	AFR	TAL EDI
Total/NA	Analysis	8151A		1	777449	05/12/21 16:04	CDC	TAL EDI
Total/NA	Prep	3546			776587	05/07/21 21:09	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	776604	05/08/21 17:56	KMH	TAL EDI
Total/NA	Prep	3050B			777629	05/13/21 05:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	777697	05/13/21 13:54	MDC	TAL EDI
Total/NA	Prep	7471B			777334	05/12/21 03:04	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777426	05/12/21 07:14	TJS	TAL EDI
Total/NA	Prep	3060A			777441	05/12/21 09:55	RPC	TAL EDI
Total/NA	Analysis	7196A		1	777665	05/13/21 13:12	RPC	TAL EDI
Total/NA	Prep	9012B			777714	05/13/21 10:43	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778039	05/14/21 14:46	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-8A (7-9)

Lab Sample ID: 460-233790-4

Date Collected: 05/06/21 14:20

Matrix: Solid

Date Received: 05/06/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779127	05/20/21 15:51	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI

Client Sample ID: WC-8A (7-9)

Lab Sample ID: 460-233790-4

Date Collected: 05/06/21 14:20

Matrix: Solid

Date Received: 05/06/21 19:00

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776542	05/07/21 16:59	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777408	05/12/21 10:53	EMM	TAL EDI

Client Sample ID: WC-8A (1-3)
Date Collected: 05/06/21 14:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779127	05/20/21 16:16	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI

Client Sample ID: WC-8A (1-3)
Date Collected: 05/06/21 14:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-5
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776542	05/07/21 17:01	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777408	05/12/21 11:17	EMM	TAL EDI

Client Sample ID: WC-7D (1-3)
Date Collected: 05/06/21 13:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779127	05/20/21 16:42	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777278	05/11/21 17:34	MMC	TAL EDI

Client Sample ID: WC-7D (1-3)
Date Collected: 05/06/21 13:30
Date Received: 05/06/21 19:00

Lab Sample ID: 460-233790-6
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776542	05/07/21 17:02	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777038	05/11/21 03:06	AAT	TAL EDI

Client Sample ID: WC-9C (3-5)
Date Collected: 05/07/21 10:10
Date Received: 05/07/21 20:00

Lab Sample ID: 460-233882-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			776694	05/08/21 16:47	BJB	TAL EDI
TCLP	Analysis	8260D		10	777370	05/12/21 16:08	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	777206	05/11/21 13:05	MMC	TAL EDI

Client Sample ID: WC-9C (3-5)
Date Collected: 05/07/21 10:10
Date Received: 05/07/21 20:00

Lab Sample ID: 460-233882-1
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			776706	05/08/21 19:03	AMS	TAL EDI
Total/NA	Analysis	8260D		1	776772	05/11/21 15:36	EMM	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	09-01-21
Alaska	State	PA00009	10-12-21
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	88-0660	08-09-21
California	State	2792	07-12-21
Colorado	State	PA00009	06-30-21
Connecticut	State	PH-0746	06-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-23-21
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	06-23-21
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	06-23-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	09-01-21
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-21
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-21
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Montana (UST)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
New Hampshire	NELAP	273019	08-08-21
New Jersey	NELAP	PA011	06-30-21
New York	NELAP	10670	06-30-21
North Carolina (DW)	State	42705	06-30-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-21
Oregon	NELAP	PA200001-018	09-11-21
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	06-09-21
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-21-40	08-31-21
Utah	NELAP	PA000092019-16	03-01-22
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-21
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	06-30-21
Wyoming	State	8TMS-L	01-31-22
Wyoming (UST)	A2LA	1.01	09-01-21

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
1664A	HEM and SGT-HEM	1664A	TAL EDI
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	TAL EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-233463-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-233463-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-233463-1	WC-3-A (0-2)	Solid	05/03/21 14:00	05/03/21 18:00
460-233560-1	WC-4 (0-5)	Solid	05/04/21 11:30	05/04/21 19:00
460-233560-2	WC-4-A (1-3)	Solid	05/04/21 11:25	05/04/21 19:00
460-233560-3	WC-3 (0-5)	Solid	05/04/21 09:30	05/04/21 19:00
460-233638-1	WC-5A (3-5)	Solid	05/05/21 08:50	05/05/21 17:30
460-233638-2	WC-6C (5-7)	Solid	05/05/21 11:45	05/05/21 17:30
460-233638-3	WC-6A (3-5)	Solid	05/05/21 13:30	05/05/21 17:30
460-233638-4	WC-5 (0-5)	Solid	05/05/21 10:25	05/05/21 17:30
460-233638-5	WC-6 (0-5)	Solid	05/05/21 13:25	05/05/21 17:30
460-233790-1	WC-8 (0-5)	Solid	05/06/21 14:15	05/06/21 19:00
460-233790-2	WC-7 (0-5)	Solid	05/06/21 13:40	05/06/21 19:00
460-233790-3	WC-6_WC-7 (5-10)	Solid	05/06/21 12:20	05/06/21 19:00
460-233790-4	WC-8A (7-9)	Solid	05/06/21 14:20	05/06/21 19:00
460-233790-5	WC-8A (1-3)	Solid	05/06/21 14:30	05/06/21 19:00
460-233790-6	WC-7D (1-3)	Solid	05/06/21 13:30	05/06/21 19:00
460-233882-1	WC-9C (3-5)	Solid	05/07/21 10:10	05/07/21 20:00

NYC 222

Chain of Custody Record 500441

eurofins | Environment Testing TestAmerica

233463

TAL-8210

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jeff Will	Site Contact: Dan Mirarchi/10	Date: 5-3-21	COC No:
Company Name: Roux D.P.C.	Tel/Email: jwill@rouxinc.com	Lab Contact: Tonia Hall	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time: ☑ CALENDAR DAYS ☐ WORKING DAYS			Sampler:
City/State/Zip: Islandia NY 11749	TAT if different from Below 5 days			For Lab Use Only:
Phone: 631-232-2600	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Walk-in Client:
Fax:				Lab Sampling:
Project Name: Amtrak Sunnyside Yards				Job / SDG No.:
Site:				
P O #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260D TCL VOCs + 10	8260D TCL VOCs	Sample Specific Notes:
WC-3-A-0-2	5-3-21	1400	G	Soil	5			XX		1

SHORT HOLD

460-233463 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Cat. B report

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	ROUX	5-3-21, 15:00		TA NYC	05/03/21 15:00
Relinquished by:	TA NYC	05/03/21 17:00			5/3/21 1600
Relinquished by:		5/3/21 1800	Received in Laboratory by:	Con Edison	5/3/21 1800

2320 KR 11

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 233463

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	23 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 5 3 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 922

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: D. Miserandino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 233660
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	8015D GRO	8015D DRO; NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 8085B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-4 (0-5)	5/4/21	1130	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	1
WC-4-A (1-3)	5/4/21	1125	G	Solid			X													2
WC-3 (0-5)	5/4/21	0930	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	3
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

SHORT HOLD

460-233560 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 5/4/21 15:00	Time: 15:00	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/4/21 15:15	FOA		5/4/21 1500	FOA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/4/21 1900	FOA		5/4/21 1900	FOA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

3.5 · 3° SR1

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 233760

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	33 °C	30 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Kamal **Date:** 5/4/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: DM	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 232638
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	8015D GRO	8015D DRO; NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-5A (3-5)	5-5-21	0850	G	Solid			X													5	1
WC-6C (5-7)		1145	G	Solid			X													5	2
WC-6A (3-5)		1330	G	Solid			X													5	3
WC-5 (0-5)		1025	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	10	4
WC-6 (0-5)		1325	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	10	5
				Solid																	
				Solid																	

460-233638 Chain of Custody

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-5-21, 15:15	ROUX		05/05/21 15:15	TA NYC
2		05/05/21 17:00	TA NYC		5521 1690	
3		5521 1770			5/5/21 1730	TAGO

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2 5 20 IR 9

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 233658

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.5 °C	2.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 5/5/21

777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins | Environment America

Client Information	Sampler: Kelly Mann	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 631-521-4478	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 233790
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	8015D GRO	8015D DRO; NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N		
WC-8 (0-5)	5/6/21	1415	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	10	-1
WC-7 (0-5)		1340	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	10	-2
WC-6/WC-7 (5-10)		1220	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	10	-3
WC-8A (7-9)		1420	G	Solid		X	X													5	NO MS/MSD -4
WC-8A (1-3)		1430	G	Solid		X	X													5	-5
WC-7D (1-3)		1330	G	Solid		X	X													5	-6
WC-7L (6-8)		1130	G	Solid		X	X													5	-7
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

SHORT HOLD

460-233790 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable — Skin Irritant ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kelly Mann	5/6/21, 15:30	ROUX		05/06/21	15:30
2		05/06/21 17:00			5/6/21 1700	
3		5/6/21 1900			5/6/21 1900	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 18 13 29

Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 233790

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.8 °C	1.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 5/6/21

777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 22

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: KMann	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 631-521-4478	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 233882
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	8015D GRO	8015D DRO; NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N		
WC-9C(3-5)	5/7/21	1010	G	Solid			X													5	1
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

460-233882 Chain of Custody

SHORT HOLD

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kelly Mann	5/7/21, 1200	ROUX		5/7/21 1200	
2		5/7/21 2000			5/7/21 2000	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2.8 23 SK 9

Cooler Temperature(s) °C and Other Remarks:

Page 278 of 288

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 233882

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	28 °C	25 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: km at **Date:** 5 7 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61512.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-233463-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/13/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
WC-8 (0-5) (460-233790-1)	5/6/21	14:15 Eastern		Solid			X	X	2	
WC-7 (0-5) (460-233790-2)	5/6/21	13:40 Eastern		Solid			X	X	1	
WC-6_WC-7 (5-10) (460-233790-3)	5/6/21	12:20 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/10/21 16:40	Eurofins	Brad Boyd	5/10/21 16:40	Eurofins
2	Brad Boyd	5/10/21 19:38	Eurofins			
3				K Arn	5/10/21 1938	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233463
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233560
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233560
List Number: 2
Creator: Sanchez, Melvin E

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/06/21 08:32 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233638
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233638
List Number: 2
Creator: Sanchez, Melvin E

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/06/21 08:32 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233790
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233790
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/10/21 08:48 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-233463-1

Login Number: 233882
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

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

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-234049-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 5:54:59 PM

Melissa Haas, Senior Project Manager
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LINKS

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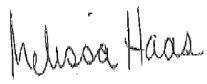
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 5:54:59 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-9 (0-5)
Lab Sample ID: 460-234049-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.021	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.023	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.023	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.078	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.35		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.47		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.21	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.16		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.055	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.020	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.34	J	0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.057		0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.021	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.014	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.53		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.024	J	0.38	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.25		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.020	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.28	J	0.38	0.0067	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.55		0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0032	J	0.0077	0.00091	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.063	J	0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.063	J	0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	370		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.42	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	6310		22.1	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.34	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	67.6		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.43	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.24	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	22200		110	18.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.5		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	58.7		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	15200		66.3	22.3	mg/Kg	1	☼	6020B	Total/NA
Lead	82.7		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	7110		110	11.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	219		4.4	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.0		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1800		110	12.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	408		110	17.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	32.4		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	219		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.12		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	18.5		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.25	J	0.27	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	10.6	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-9 (0-5) (Continued) — Lab Sample ID: 460-234049-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Corrosivity	10.6	HF			SU	1		9045D	Total/NA
Oil & Grease	8660		688	229	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.2				S.U.	1		9040C	Soluble
pH	6.6				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	2.3	J	5.1	1.4	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	11.5		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	123		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-9B (7-9) — Lab Sample ID: 460-234049-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.015		0.0066	0.0063	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0021		0.0011	0.00029	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00036	J	0.0011	0.00019	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00052	J	0.0011	0.00034	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00031	J	0.0011	0.00026	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-8_WC-9 (5-10) — Lab Sample ID: 460-234049-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.069	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.14	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.013	J	0.39	0.0039	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.24	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.49		0.039	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.49		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.59		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.26	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.22		0.039	0.0076	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.19	J	0.39	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.089	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.50		0.39	0.0065	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.086		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.086	J	0.39	0.0054	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.1		0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.13	J	0.39	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.31		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.076	J	0.39	0.0067	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.90		0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.0		0.39	0.0096	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0039	J	0.0078	0.00092	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	610		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.39	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.023	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6880		22.3	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.30	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	19.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	72.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.34	J	0.45	0.063	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-8_WC-9 (5-10) (Continued) — Lab Sample ID: 460-234049-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.24	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	65500		557	94.7	mg/Kg	5	☼	6020B	Total/NA
Chromium	24.8		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.4		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	36.9		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	14300		66.8	22.5	mg/Kg	1	☼	6020B	Total/NA
Lead	114		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	14900		111	11.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	210		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.8		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	1990		111	12.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.21	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	257		111	17.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.091	J	0.45	0.046	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.0		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	78.4		8.9	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.00018	J	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.11		0.020	0.0047	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	24.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	11.3	HF			SU	1		9045D	Total/NA
Corrosivity	11.3	HF			SU	1		9045D	Total/NA
Oil & Grease	4630		711	237	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.7				S.U.	1		9040C	Soluble
pH	6.0				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	2.2	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	14.8		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.054	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	290		20.0	20.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-10A (0-2) — Lab Sample ID: 460-234139-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0082		0.0072	0.0068	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.0040		0.0012	0.00038	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-10 (0-5) — Lab Sample ID: 460-234139-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.047	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.10	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.053	J	0.36	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.30	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.63		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.52		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.77		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.27	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.38		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.059	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.079	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-10 (0-5) (Continued)
Lab Sample ID: 460-234139-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.66		0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.050		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.068	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.6		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.14	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.27		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.040	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.2		0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.4		0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	330		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.47	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0023	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.017	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6110		21.0	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.27	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.6		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	58.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.29	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	22100		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	24.3		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.8		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	43.7		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	15000		62.9	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	65.2		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	7110		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	235		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.6		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1330		105	11.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	358		105	16.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.075	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.6		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	64.4		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.093		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	24.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.22	J	0.23	0.12	mg/Kg	1	☼	9012B	Total/NA
pH	10.9	HF			SU	1		9045D	Total/NA
Corrosivity	10.9	HF			SU	1		9045D	Total/NA
Oil & Grease	5090		648	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.3				S.U.	1		9040C	Soluble
pH	6.0				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	2.8	J	5.1	1.4	mg/L	1		1664A	ASTM Leach
Total Solids	239		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-10B (7-9) — Lab Sample ID: 460-234139-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00066	J	0.0013	0.00040	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.00052	J	0.0013	0.00042	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-18 (0-5) — Lab Sample ID: 460-234139-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.036	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.034	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.051	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.11	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.34		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.42		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.62		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.20	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.25		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.031	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.051	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.36	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.054		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.046	J	0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.59		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.043	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.23		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.053	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.37		0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.54		0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.066	J	0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.066	J	0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	100		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.55	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0056	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.40		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6230		21.0	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.55	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	58.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.41	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.25	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	8820		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.8		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.2		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	65.8		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	18000		62.9	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	183		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3290		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	317		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	29.0		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1030		105	11.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.093	J	1.0	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	234		105	16.3	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-18 (0-5) (Continued)
Lab Sample ID: 460-234139-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.10	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.1		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	93.1		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.10		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	20.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.24		0.24	0.13	mg/Kg	1	☼	9012B	Total/NA
pH	8.9	HF			SU	1		9045D	Total/NA
Corrosivity	8.9	HF			SU	1		9045D	Total/NA
Oil & Grease	462	J	661	220	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.6		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	2.0	J	5.0	1.4	mg/L	1		1664A	ASTM Leach
Total Solids	136		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-18A (0-2)
Lab Sample ID: 460-234139-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0059		0.0020	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-11 (0-5)
Lab Sample ID: 460-234204-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.025	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.025	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.033	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Acetophenone	0.029	J	0.36	0.017	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.078	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.28		0.036	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.39		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.55		0.036	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.98		0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.24		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.083	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.028	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.34	J	0.36	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.88		0.036	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.032	J	0.36	0.0050	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.055	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.52		0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.021	J	0.36	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.82		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.035	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.24	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.50		0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.074		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.074		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	230		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.59	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0044	J	0.020	0.0016	mg/L	5		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-11 (0-5) (Continued)
Lab Sample ID: 460-234204-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.085		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5250		20.5	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.76	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	64.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.29	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	9740		103	17.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.6	B	2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	122		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	18700		61.5	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	122		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3520		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	336		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.8		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1110		103	11.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	1.0	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	247		103	16.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.6		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	412		8.2	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.096		0.016	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	19.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.4	HF			SU	1		9045D	Total/NA
Corrosivity	8.4	HF			SU	1		9045D	Total/NA
Oil & Grease	1790		642	214	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.0		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	14.9		5.1	1.4	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	13.8		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	96.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-11A (0-2)
Lab Sample ID: 460-234204-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00057	J	0.0017	0.00051	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.00078	J	0.0017	0.00053	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-10_WC-11 (5-10)
Lab Sample ID: 460-234204-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.076	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.038	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.017	J	0.39	0.0039	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.093	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.34		0.039	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.32		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-10_WC-11 (5-10) (Continued)
Lab Sample ID: 460-234204-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.45		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.44		0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.20		0.039	0.0076	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.22	J	0.39	0.021	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.037	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.37	J	0.39	0.0066	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.18		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.028	J	0.39	0.0055	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.038	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.78		0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.030	J	0.39	0.0053	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.44		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.21	J	0.39	0.0067	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.33	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.72		0.39	0.0097	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0029	J	0.0079	0.00093	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	2000		23	23	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.44	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0018	J	0.020	0.0016	mg/L	5		6010D	TCLP
Aluminum	4570		22.3	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.4		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	48.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.38	J	0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.17	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	26700		112	19.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.3	B	2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.0		2.2	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	31.5		2.2	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	14600		67.0	22.6	mg/Kg	1	☼	6020B	Total/NA
Lead	52.6		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	8060		112	11.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	262		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.0		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	1020		112	12.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.16	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	216		112	17.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.086	J	0.45	0.046	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.4		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	57.9		8.9	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.083		0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	13.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.27		0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	11.2	HF			SU	1		9045D	Total/NA
Corrosivity	11.2	HF			SU	1		9045D	Total/NA
Oil & Grease	5020		695	232	mg/Kg	1	☼	9071B	Total/NA
Total Solids	88.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.7				S.U.	1		9040C	Soluble
pH	6.4				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-10_WC-11 (5-10) (Continued)
Lab Sample ID: 460-234204-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM	8.0		5.2	1.5	mg/L	1		1664A	ASTM Leach
Ammonia	0.066	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	146		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-19 (0-5)
Lab Sample ID: 460-234327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.10	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.028	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.037	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.088	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.30		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.45		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.19	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.18		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.042	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.034	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.32	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.034	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.044	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.014	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.56		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.042	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.24		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.073	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.29	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.51		0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.22		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.22		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	400		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.65	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0035	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.38		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5600		20.7	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.65	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	56.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.35	J	0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.29	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	6360		104	17.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.0		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	57.6		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	13900		62.2	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	127		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3260		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	298		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.3		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1060		104	11.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-19 (0-5) (Continued)
Lab Sample ID: 460-234327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.15	J	1.0	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	254		104	16.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.41	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	76.1		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.11		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	18.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.34		0.23	0.12	mg/Kg	1	☼	9012B	Total/NA
pH	8.8	HF			SU	1		9045D	Total/NA
Corrosivity	8.8	HF			SU	1		9045D	Total/NA
Oil & Grease	576	J	623	208	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.0		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.7				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	13.1		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	87.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-20 (0-5)
Lab Sample ID: 460-234327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.050	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.038	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.035	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.11	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.35		0.036	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.37		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.55		0.036	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.22	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.20		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.054	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.051	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.37		0.36	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.049		0.036	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.044	J	0.36	0.0050	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.64		0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.039	J	0.36	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.30		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.071	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.40		0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.59		0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.11		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.11		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	220		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.57	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0027	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.15		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5570		19.8	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.52	J	0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.3		0.99	0.099	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-20 (0-5) (Continued)
Lab Sample ID: 460-234327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	47.9		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	8980		98.9	16.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.3		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	48.8		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	11900		59.4	20.0	mg/Kg	1	☼	6020B	Total/NA
Lead	85.6		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2830		98.9	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	258		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	37.7		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	907		98.9	11.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.18	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.12	J	0.99	0.088	mg/Kg	1	☼	6020B	Total/NA
Sodium	296		98.9	15.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.081	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	61.6		7.9	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.11		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	14.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.21	J	0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	8.9	HF			SU	1		9045D	Total/NA
Corrosivity	8.9	HF			SU	1		9045D	Total/NA
Oil & Grease	765		647	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.7		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.7				S.U.	1		9040C	Soluble
pH	5.6				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
HEM	28.1		5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	77.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-12 (0-5)
Lab Sample ID: 460-234327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.032	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.019	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.017	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.051	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.18		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.18		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.28		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.13	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.12		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.052	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.024	J	0.37	0.017	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.024	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.21	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.031	J	0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.022	J	0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-12 (0-5) (Continued)
Lab Sample ID: 460-234327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.019	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.35	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.014	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.16		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.043	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.19	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.33	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0038	J	0.0075	0.00089	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.078		0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.078		0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	320		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.69	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0040	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.30		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5140		20.8	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.31	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.4		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	41.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.23	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	5730		104	17.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.6		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	47.9		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	11600		62.3	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	71.6		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2750		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	218		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.7		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	860		104	11.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	415		104	16.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.080	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	67.9		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.25		0.018	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	14.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.3	HF			SU	1		9045D	Total/NA
Corrosivity	8.3	HF			SU	1		9045D	Total/NA
Oil & Grease	1890		680	227	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.5				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	12.8		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.052	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	100		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-19A (0-2)
Lab Sample ID: 460-234327-4

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-20A (0-2) — Lab Sample ID: 460-234327-5

No Detections.

Client Sample ID: WC-12D (0-2) — Lab Sample ID: 460-234327-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.00025	J	0.0014	0.00024	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-12C (6-8) — Lab Sample ID: 460-234327-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0014		0.0013	0.00034	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0011	J	0.0013	0.00041	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-12_WC-13 (5-10) — Lab Sample ID: 460-234327-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.022	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.030	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.016	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.073	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.20		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.19		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.24		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.11	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.098		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.26	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.026	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.23	J	0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.040		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.024	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.46		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.031	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.029	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.31	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenol	0.014	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.42		0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0023	J	0.0073	0.00086	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	140		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.39	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.29		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5060		21.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	37.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	44100		106	18.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.5		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	21.5		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	12500		63.6	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	30.8		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	14400		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	240		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-12_WC-13 (5-10) (Continued)
Lab Sample ID: 460-234327-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	879		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Sodium	420		106	16.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.056	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	31.6		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.040		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.5		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	11.0	HF			SU	1		9045D	Total/NA
Corrosivity	11.0	HF			SU	1		9045D	Total/NA
Oil & Grease	6700		649	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.4				S.U.	1		9040C	Soluble
pH	5.7				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
Ammonia	0.14		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	140		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-13B (0-2)
Lab Sample ID: 460-234446-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.0021	J	0.010	0.0021	mg/L	10		8260D	TCLP
Chloroform	0.0077	J	0.010	0.0033	mg/L	10		8260D	TCLP

Client Sample ID: WC-13 (0-5)
Lab Sample ID: 460-234446-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.036	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.019	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.041	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.077	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.35		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.35		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.50		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.18	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.17		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.071	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.023	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.33	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.045		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.029	J	0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.53		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.031	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.043	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.29	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.51		0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0029	J	0.0075	0.00089	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0024	J p	0.0075	0.0014	mg/Kg	1	☼	8081B	Total/NA
Dieldrin	0.0022		0.0022	0.00098	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.062	J	0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.062	J	0.075	0.010	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-13 (0-5) (Continued)
Lab Sample ID: 460-234446-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total EPH (C9-C40)	1100		22	22	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.44	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	5910		21.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.39	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	49.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.33	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	15900		107	18.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.1		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.4		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	93.9		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	14900		64.1	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	85.9		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6950		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	316		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.7		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1370		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.20	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	259		107	16.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.097	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	64.5		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.1		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.24	J	0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	10.4	HF			SU	1		9045D	Total/NA
Corrosivity	10.4	HF			SU	1		9045D	Total/NA
Oil & Grease	4170		665	222	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.2				S.U.	1		9040C	Soluble
pH	6.5				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	11.5		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	86.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: CA-1C (0-2)
Lab Sample ID: 460-234446-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.00031	J	0.0015	0.00026	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.0017		0.0015	0.00047	mg/Kg	1	☼	8260D	Total/NA
Chlorobenzene	0.013		0.010	0.0038	mg/L	10		8260D	TCLP

Client Sample ID: CA-1 (0-2)
Lab Sample ID: 460-234446-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.033	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.021	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.022	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.050	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.16		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CA-1 (0-2) (Continued)
Lab Sample ID: 460-234446-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.18		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.27		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.12	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.095		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.035	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.022	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.19	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.031	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.026	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.041	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.28	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.023	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.039	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.20	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.28	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1254	0.30		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.30		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	330		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.63	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0044	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.18		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	837		20.0	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.18	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.86	J	1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	8.7		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Calcium	1060		99.8	17.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	3.0		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	0.97	J	2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	15.6		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	3000		59.9	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	64.0		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	531		99.8	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	37.9		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	2.6		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	147		99.8	11.2	mg/Kg	1	☼	6020B	Total/NA
Silver	0.19	J	1.0	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	39.1	J	99.8	15.6	mg/Kg	1	☼	6020B	Total/NA
Vanadium	4.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	20.4		8.0	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.066		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	3.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.18	J	0.23	0.12	mg/Kg	1	☼	9012B	Total/NA
pH	8.3	HF			SU	1		9045D	Total/NA
Corrosivity	8.3	HF			SU	1		9045D	Total/NA
Oil & Grease	1110		620	207	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.9		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	22.9				Degrees C	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: CA-1 (0-2) (Continued)
Lab Sample ID: 460-234446-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia	0.12		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	108		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-14A (0-2)
Lab Sample ID: 460-234446-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.0013	J	0.0016	0.00051	mg/Kg	1	☼	8260D	Total/NA
Chlorobenzene	0.010		0.010	0.0038	mg/L	10		8260D	TCLP

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-9 (0-5)
Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1
Matrix: Solid
Percent Solids: 87.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0050	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Methylnaphthalene	**0.021**	**J**	0.38	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Acenaphthene	**0.023**	**J**	0.38	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Acenaphthylene	**0.023**	**J**	0.38	0.0038	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Anthracene	**0.078**	**J**	0.38	0.012	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzo[a]anthracene	**0.30**		0.038	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzo[a]pyrene	**0.35**		0.038	0.010	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzo[b]fluoranthene	**0.47**		0.038	0.0098	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzo[g,h,i]perylene	**0.21**	**J**	0.38	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Benzo[k]fluoranthene	**0.16**		0.038	0.0075	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Bis(2-ethylhexyl) phthalate	**0.055**	**J**	0.38	0.020	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Carbazole	**0.020**	**J**	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Chrysene	**0.34**	**J**	0.38	0.0064	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Dibenz(a,h)anthracene	**0.057**		0.038	0.016	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Dibenzofuran	**0.021**	**J**	0.38	0.0053	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1

Client Sample ID: WC-9 (0-5)
Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1
Matrix: Solid
Percent Solids: 87.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Di-n-butyl phthalate	**0.014**	**J**	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Fluoranthene	**0.53**		0.38	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Fluorene	**0.024**	**J**	0.38	0.0052	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Indeno[1,2,3-cd]pyrene	**0.25**		0.038	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Naphthalene	**0.020**	**J**	0.38	0.0066	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Phenanthrene	**0.28**	**J**	0.38	0.0067	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1
Pyrene	**0.55**		0.38	0.0094	mg/Kg	☼	05/11/21 22:11	05/12/21 19:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.88*	*A J*	*mg/Kg*	☼	*2.71*		*05/11/21 22:11*	*05/12/21 19:07*	*1*
Unknown	*0.34*	*J*	*mg/Kg*	☼	*10.92*		*05/11/21 22:11*	*05/12/21 19:07*	*1*
Unknown	*0.41*	*J*	*mg/Kg*	☼	*12.13*		*05/11/21 22:11*	*05/12/21 19:07*	*1*
Unknown	*0.40*	*J*	*mg/Kg*	☼	*12.31*		*05/11/21 22:11*	*05/12/21 19:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 123*	*05/11/21 22:11*	*05/12/21 19:07*	*1*
2-Fluorobiphenyl	*78*		*14 - 103*	*05/11/21 22:11*	*05/12/21 19:07*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 105*	*05/11/21 22:11*	*05/12/21 19:07*	*1*
Nitrobenzene-d5 (Surr)	*71*		*11 - 104*	*05/11/21 22:11*	*05/12/21 19:07*	*1*
Phenol-d5 (Surr)	*79*		*15 - 100*	*05/11/21 22:11*	*05/12/21 19:07*	*1*
Terphenyl-d14 (Surr)	*87*		*12 - 126*	*05/11/21 22:11*	*05/12/21 19:07*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/13/21 10:18	05/14/21 07:58	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/13/21 10:18	05/14/21 07:58	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/13/21 10:18	05/14/21 07:58	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/13/21 10:18	05/14/21 07:58	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/13/21 10:18	05/14/21 07:58	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/13/21 10:18	05/14/21 07:58	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/13/21 10:18	05/14/21 07:58	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/13/21 10:18	05/14/21 07:58	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/13/21 10:18	05/14/21 07:58	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/13/21 10:18	05/14/21 07:58	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/13/21 10:18	05/14/21 07:58	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/13/21 10:18	05/14/21 07:58	1

Client Sample ID: WC-9 (0-5)
Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1
Matrix: Solid
Percent Solids: 87.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*95*		*33 - 150*	*05/13/21 10:18*	*05/14/21 07:58*	*1*
2-Fluorobiphenyl	*80*		*42 - 127*	*05/13/21 10:18*	*05/14/21 07:58*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*05/13/21 10:18*	*05/14/21 07:58*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 137*	*05/13/21 10:18*	*05/14/21 07:58*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/13/21 10:18*	*05/14/21 07:58*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 150*	*05/13/21 10:18*	*05/14/21 07:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
4,4'-DDE	**0.0032**	**J**	0.0077	0.00091	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	05/11/21 18:41	05/12/21 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/11/21 18:41*	*05/12/21 13:34*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/11/21 18:41*	*05/12/21 13:34*	*1*
Tetrachloro-m-xylene	*88*		*10 - 133*	*05/11/21 18:41*	*05/12/21 13:34*	*1*
Tetrachloro-m-xylene	*91*		*10 - 133*	*05/11/21 18:41*	*05/12/21 13:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/13/21 10:57	05/14/21 09:53	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 09:53	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/13/21 10:57	05/14/21 09:53	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/13/21 10:57	05/14/21 09:53	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/13/21 10:57	05/14/21 09:53	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 09:53	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/13/21 10:57	05/14/21 09:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*39*		*10 - 150*	*05/13/21 10:57*	*05/14/21 09:53*	*1*
DCB Decachlorobiphenyl	*41*		*10 - 150*	*05/13/21 10:57*	*05/14/21 09:53*	*1*
Tetrachloro-m-xylene	*50*		*10 - 150*	*05/13/21 10:57*	*05/14/21 09:53*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*05/13/21 10:57*	*05/14/21 09:53*	*1*

Client Sample ID: WC-9 (0-5)
Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1
Matrix: Solid
Percent Solids: 87.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1260	**0.063**	**J**	0.077	0.011	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1
Polychlorinated biphenyls, Total	**0.063**	**J**	0.077	0.011	mg/Kg	☼	05/11/21 18:07	05/12/21 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*05/11/21 18:07*	*05/12/21 07:56*	*1*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*05/11/21 18:07*	*05/12/21 07:56*	*1*
Tetrachloro-m-xylene	*97*		*54 - 150*	*05/11/21 18:07*	*05/12/21 07:56*	*1*
Tetrachloro-m-xylene	*96*		*54 - 150*	*05/11/21 18:07*	*05/12/21 07:56*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	05/11/21 22:14	05/12/21 12:10	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/11/21 22:14	05/12/21 12:10	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	05/11/21 22:14	05/12/21 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*104*		*65 - 150*	*05/11/21 22:14*	*05/12/21 12:10*	*1*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*	*05/11/21 22:14*	*05/12/21 12:10*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/13/21 23:50	05/14/21 12:27	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/13/21 23:50	05/14/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*28 - 150*	*05/13/21 23:50*	*05/14/21 12:27*	*1*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*05/13/21 23:50*	*05/14/21 12:27*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**370**		2.3	2.3	mg/Kg	☼	05/12/21 11:01	05/13/21 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*40 - 140*	*05/12/21 11:01*	*05/13/21 16:22*	*1*
1-Chlorooctadecane	*102*		*40 - 140*	*05/12/21 11:01*	*05/13/21 16:22*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/13/21 17:30	05/18/21 12:36	5
Barium	**0.42**	**J**	1.0	0.066	mg/L		05/13/21 17:30	05/18/21 12:36	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/13/21 17:30	05/18/21 12:36	5
Chromium	0.050	U	0.050	0.025	mg/L		05/13/21 17:30	05/18/21 12:36	5
Lead	0.050	U	0.050	0.012	mg/L		05/13/21 17:30	05/18/21 12:36	5

Client Sample ID: WC-9 (0-5)
Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1
Matrix: Solid
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/13/21 17:30	05/18/21 12:36	5
Silver	0.050	U	0.050	0.029	mg/L		05/13/21 17:30	05/18/21 12:36	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6310**		22.1	2.9	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Antimony	**0.34**	**J**	1.1	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Arsenic	**3.2**		1.1	0.11	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Barium	**67.6**		2.2	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Beryllium	**0.43**	**J**	0.44	0.063	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Cadmium	**0.24**	**J**	1.1	0.12	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Calcium	**22200**		110	18.8	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Chromium	**18.5**		2.2	0.19	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Cobalt	**6.9**		2.2	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Copper	**58.7**		2.2	0.24	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Iron	**15200**		66.3	22.3	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Lead	**82.7**		0.66	0.22	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Magnesium	**7110**		110	11.3	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Manganese	**219**		4.4	0.45	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Nickel	**17.0**		2.2	0.21	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Potassium	**1800**		110	12.4	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Selenium	**0.19**	**J**	1.4	0.13	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Silver	1.1	U	1.1	0.098	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Sodium	**408**		110	17.2	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Thallium	**0.10**	**J**	0.44	0.045	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Vanadium	**32.4**		2.2	0.23	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1
Zinc	**219**		8.8	2.5	mg/Kg	☼	05/17/21 02:34	05/17/21 13:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 15:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.018	0.0042	mg/Kg	☼	05/13/21 03:24	05/13/21 08:09	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.6**	**HF**			SU			05/16/21 12:26	1
Corrosivity	**10.6**	**HF**			SU			05/16/21 12:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.98	mg/Kg	☼	05/15/21 09:20	05/17/21 14:13	1
Cr (VI)	2.3	U	2.3	0.99	mg/Kg	☼	05/25/21 08:02	05/25/21 15:52	1
Cyanide, Total	**0.25**	**J**	0.27	0.14	mg/Kg	☼	05/13/21 14:02	05/15/21 15:07	1
Oil & Grease	**8660**		688	229	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	**18.5**		2.0	2.0	mg/Kg			05/25/21 13:29	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1

Client Sample ID: WC-9 (0-5)
Lab Sample ID: 460-234049-1

Date Collected: 05/10/21 10:55
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 87.1

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	**12.9**		1.0	1.0	%			05/12/21 12:43	1
Percent Solids	**87.1**		1.0	1.0	%			05/12/21 12:43	1
Total Solids	**89.9**		0.10	0.10	%			05/12/21 07:41	1
Total Volatile Solids	**3.0**		0.10	0.10	%			05/12/21 07:41	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.2**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.6**				S.U.			05/13/21 10:21	1
Temperature	**22.9**				Degrees C			05/13/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.3**	**J**	5.1	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:57	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**11.5**		10.0	10.0	mg/Kg			05/13/21 18:09	1
Total Solids	**123**		10.0	10.0	mg/L			05/13/21 16:19	1

Client Sample ID: WC-9B (7-9)
Lab Sample ID: 460-234049-2

Date Collected: 05/10/21 10:35
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00041	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Acetone	**0.015**		0.0066	0.0063	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1

Client Sample ID: WC-9B (7-9)
Date Collected: 05/10/21 10:35
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-2
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0021**		0.0011	0.00029	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
m-Xylene & p-Xylene	**0.00036**	**J**	0.0011	0.00019	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Tetrachloroethene	**0.00052**	**J**	0.0011	0.00034	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Toluene	**0.00031**	**J**	0.0011	0.00026	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	05/11/21 18:49	05/13/21 09:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/11/21 18:49*	*05/13/21 09:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/11/21 18:49*	*05/13/21 09:54*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*05/11/21 18:49*	*05/13/21 09:54*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*05/11/21 18:49*	*05/13/21 09:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*05/11/21 18:49*	*05/13/21 09:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/13/21 15:59	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/13/21 15:59	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/13/21 15:59	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/13/21 15:59	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/13/21 15:59	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/13/21 15:59	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/13/21 15:59	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/13/21 15:59	10

Client Sample ID: WC-9B (7-9)
Lab Sample ID: 460-234049-2
Date Collected: 05/10/21 10:35
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/13/21 15:59	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/13/21 15:59	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/13/21 15:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*05/13/21 15:59*	*10*
4-Bromofluorobenzene	*93*		*76 - 120*		*05/13/21 15:59*	*10*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/13/21 15:59*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/21 15:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		1.0	1.0	%			05/12/21 12:43	1
Percent Solids	**87.2**		1.0	1.0	%			05/12/21 12:43	1

Client Sample ID: WC-8_WC-9 (5-10)
Lab Sample ID: 460-234049-3
Date Collected: 05/10/21 10:45
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 85.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0051	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0070	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,4-Dinitrotoluene	0.078	U	0.078	0.042	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Methylnaphthalene	**0.069**	**J**	0.39	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Nitroaniline	0.39	U	0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.058	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Acenaphthene	**0.14**	**J**	0.39	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-8_WC-9 (5-10)
Date Collected: 05/10/21 10:45
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-3
Matrix: Solid
Percent Solids: 85.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.013**	**J**	0.39	0.0039	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Anthracene	**0.24**	**J**	0.39	0.012	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzo[a]anthracene	**0.49**		0.039	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzo[a]pyrene	**0.49**		0.039	0.010	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzo[b]fluoranthene	**0.59**		0.039	0.010	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzo[g,h,i]perylene	**0.26**	**J**	0.39	0.011	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Benzo[k]fluoranthene	**0.22**		0.039	0.0076	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Bis(2-ethylhexyl) phthalate	**0.19**	**J**	0.39	0.020	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Carbazole	**0.089**	**J**	0.39	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Chrysene	**0.50**		0.39	0.0065	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Dibenz(a,h)anthracene	**0.086**		0.039	0.017	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Dibenzofuran	**0.086**	**J**	0.39	0.0054	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Diethyl phthalate	0.39	U	0.39	0.0056	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Di-n-octyl phthalate	0.39	U	0.39	0.020	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Fluoranthene	**1.1**		0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Fluorene	**0.13**	**J**	0.39	0.0052	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Indeno[1,2,3-cd]pyrene	**0.31**		0.039	0.015	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Naphthalene	**0.076**	**J**	0.39	0.0067	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Nitrobenzene	0.039	U	0.039	0.0093	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Phenanthrene	**0.90**		0.39	0.0068	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1
Pyrene	**1.0**		0.39	0.0096	mg/Kg	☼	05/11/21 22:11	05/12/21 18:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*27*	*A J*	*mg/Kg*	☼	*2.74*		*05/11/21 22:11*	*05/12/21 18:45*	*1*
4H-Cyclopenta[def]phenanthrene	*0.34*	*J N*	*mg/Kg*	☼	*9.16*	*203-64-5*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
Unknown	*0.41*	*J*	*mg/Kg*	☼	*10.95*		*05/11/21 22:11*	*05/12/21 18:45*	*1*
Benz[a]anthracene, 7-methyl-	*0.33*	*J N*	*mg/Kg*	☼	*11.69*	*2541-69-7*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*12.37*		*05/11/21 22:11*	*05/12/21 18:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 123*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
2-Fluorobiphenyl	*75*		*14 - 103*	*05/11/21 22:11*	*05/12/21 18:45*	*1*

Client Sample ID: WC-8_WC-9 (5-10)
Date Collected: 05/10/21 10:45
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-3
Matrix: Solid
Percent Solids: 85.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*73*		*10 - 105*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
Nitrobenzene-d5 (Surr)	*69*		*11 - 104*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
Phenol-d5 (Surr)	*75*		*15 - 100*	*05/11/21 22:11*	*05/12/21 18:45*	*1*
Terphenyl-d14 (Surr)	*84*		*12 - 126*	*05/11/21 22:11*	*05/12/21 18:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/13/21 10:18	05/14/21 08:21	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/13/21 10:18	05/14/21 08:21	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/13/21 10:18	05/14/21 08:21	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/13/21 10:18	05/14/21 08:21	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/13/21 10:18	05/14/21 08:21	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/13/21 10:18	05/14/21 08:21	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/13/21 10:18	05/14/21 08:21	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/13/21 10:18	05/14/21 08:21	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/13/21 10:18	05/14/21 08:21	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/13/21 10:18	05/14/21 08:21	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/13/21 10:18	05/14/21 08:21	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/13/21 10:18	05/14/21 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*33 - 150*	*05/13/21 10:18*	*05/14/21 08:21*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*05/13/21 10:18*	*05/14/21 08:21*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*05/13/21 10:18*	*05/14/21 08:21*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*05/13/21 10:18*	*05/14/21 08:21*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*05/13/21 10:18*	*05/14/21 08:21*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*05/13/21 10:18*	*05/14/21 08:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
4,4'-DDE	**0.0039**	**J**	0.0078	0.00092	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
alpha-BHC	0.0023	U	0.0023	0.00080	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	05/11/21 18:41	05/12/21 13:49	1

Client Sample ID: WC-8_WC-9 (5-10)
Date Collected: 05/10/21 10:45
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-3
Matrix: Solid
Percent Solids: 85.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	115		10 - 150	05/11/21 18:41	05/12/21 13:49	1
DCB Decachlorobiphenyl	111		10 - 150	05/11/21 18:41	05/12/21 13:49	1
Tetrachloro-m-xylene	108		10 - 133	05/11/21 18:41	05/12/21 13:49	1
Tetrachloro-m-xylene	104		10 - 133	05/11/21 18:41	05/12/21 13:49	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/13/21 10:57	05/14/21 10:09	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 10:09	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/13/21 10:57	05/14/21 10:09	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/13/21 10:57	05/14/21 10:09	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/13/21 10:57	05/14/21 10:09	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 10:09	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/13/21 10:57	05/14/21 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	47		10 - 150	05/13/21 10:57	05/14/21 10:09	1
DCB Decachlorobiphenyl	55		10 - 150	05/13/21 10:57	05/14/21 10:09	1
Tetrachloro-m-xylene	51		10 - 150	05/13/21 10:57	05/14/21 10:09	1
Tetrachloro-m-xylene	55		10 - 150	05/13/21 10:57	05/14/21 10:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.010	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1221	0.078	U	0.078	0.010	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1232	0.078	U	0.078	0.010	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1242	0.078	U	0.078	0.010	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1248	0.078	U	0.078	0.010	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1254	0.078	U	0.078	0.011	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1260	0.078	U	0.078	0.011	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor-1262	0.078	U	0.078	0.011	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Aroclor 1268	0.078	U	0.078	0.011	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.011	mg/Kg	☼	05/11/21 18:24	05/12/21 08:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		37 - 150	05/11/21 18:24	05/12/21 08:13	1
DCB Decachlorobiphenyl	110		37 - 150	05/11/21 18:24	05/12/21 08:13	1
Tetrachloro-m-xylene	110		54 - 150	05/11/21 18:24	05/12/21 08:13	1
Tetrachloro-m-xylene	114		54 - 150	05/11/21 18:24	05/12/21 08:13	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0083	mg/Kg	☼	05/11/21 22:14	05/12/21 12:23	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	05/11/21 22:14	05/12/21 12:23	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	05/11/21 22:14	05/12/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	92		65 - 150	05/11/21 22:14	05/12/21 12:23	1
2,4-Dichlorophenylacetic acid	114		65 - 150	05/11/21 22:14	05/12/21 12:23	1

Client Sample ID: WC-8_WC-9 (5-10)
Date Collected: 05/10/21 10:45
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-3
Matrix: Solid
Percent Solids: 85.5

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/13/21 23:50	05/14/21 12:42	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/13/21 23:50	05/14/21 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*46*		*28 - 150*	*05/13/21 23:50*	*05/14/21 12:42*	*1*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*05/13/21 23:50*	*05/14/21 12:42*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**610**		2.3	2.3	mg/Kg	☼	05/12/21 11:01	05/13/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*40 - 140*	*05/12/21 11:01*	*05/13/21 16:36*	*1*
1-Chlorooctadecane	*140*		*40 - 140*	*05/12/21 11:01*	*05/13/21 16:36*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/13/21 17:30	05/18/21 12:48	5
Barium	**0.39**	**J**	1.0	0.066	mg/L		05/13/21 17:30	05/18/21 12:48	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/13/21 17:30	05/18/21 12:48	5
Chromium	0.050	U	0.050	0.025	mg/L		05/13/21 17:30	05/18/21 12:48	5
Lead	**0.023**	**J**	0.050	0.012	mg/L		05/13/21 17:30	05/18/21 12:48	5
Selenium	0.10	U	0.10	0.029	mg/L		05/13/21 17:30	05/18/21 12:48	5
Silver	0.050	U	0.050	0.029	mg/L		05/13/21 17:30	05/18/21 12:48	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6880**		22.3	2.9	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Antimony	**0.30**	**J**	1.1	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Arsenic	**19.2**		1.1	0.11	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Barium	**72.5**		2.2	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Beryllium	**0.34**	**J**	0.45	0.063	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Cadmium	**0.24**	**J**	1.1	0.13	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Calcium	**65500**		557	94.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:03	5
Chromium	**24.8**		2.2	0.19	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Cobalt	**5.4**		2.2	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Copper	**36.9**		2.2	0.24	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Iron	**14300**		66.8	22.5	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Lead	**114**		0.67	0.22	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Magnesium	**14900**		111	11.4	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Manganese	**210**		4.5	0.45	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Nickel	**14.8**		2.2	0.22	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Potassium	**1990**		111	12.5	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Selenium	**0.21**	**J**	1.4	0.13	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Silver	1.1	U	1.1	0.099	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Sodium	**257**		111	17.4	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Thallium	**0.091**	**J**	0.45	0.046	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Vanadium	**30.0**		2.2	0.23	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1
Zinc	**78.4**		8.9	2.6	mg/Kg	☼	05/17/21 02:34	05/17/21 13:52	1

Client Sample ID: WC-8_WC-9 (5-10)
Lab Sample ID: 460-234049-3

Date Collected: 05/10/21 10:45
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 85.5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00018**	**J**	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 15:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.020	0.0047	mg/Kg	☼	05/13/21 03:24	05/13/21 08:11	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**11.3**	**HF**			SU			05/16/21 12:28	1
Corrosivity	**11.3**	**HF**			SU			05/16/21 12:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.4	U	2.4	1.0	mg/Kg	☼	05/15/21 09:20	05/17/21 14:13	1
Cr (VI)	2.3	U	2.3	1.0	mg/Kg	☼	05/25/21 08:02	05/25/21 15:52	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/13/21 14:04	05/15/21 15:08	1
Oil & Grease	**4630**		711	237	mg/Kg	☼	05/13/21 20:30	05/14/21 13:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	**24.8**		2.0	2.0	mg/Kg			05/25/21 13:29	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/12/21 11:23	1
Percent Moisture	**14.5**		1.0	1.0	%			05/12/21 12:43	1
Percent Solids	**85.5**		1.0	1.0	%			05/12/21 12:43	1
Total Solids	**87.8**		0.10	0.10	%			05/12/21 07:41	1
Total Volatile Solids	**2.1**		0.10	0.10	%			05/12/21 07:41	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.7**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.0**				S.U.			05/13/21 10:21	1
Temperature	**22.9**				Degrees C			05/13/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.2**	**J**	5.3	1.5	mg/L			05/17/21 17:39	1
Ammonia	**0.054**	**J**	0.10	0.050	mg/L			05/17/21 17:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**14.8**		10.0	10.0	mg/Kg			05/13/21 18:09	1
Total Solids	**290**		20.0	20.0	mg/L			05/13/21 16:19	1

Client Sample ID: WC-10A (0-2)
Lab Sample ID: 460-234139-1

Date Collected: 05/11/21 08:45
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10A (0-2)
Date Collected: 05/11/21 08:45
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-1
Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
2-Hexanone	0.0060	U	0.0060	0.0020	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Acetone	**0.0082**		0.0072	0.0068	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chloroethane	0.0012	U	0.0012	0.00062	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Methyl acetate	0.0060	U	0.0060	0.0051	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Trichloroethene	**0.0040**		0.0012	0.00038	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1

Client Sample ID: WC-10A (0-2)
Lab Sample ID: 460-234139-1
Date Collected: 05/11/21 08:45
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	05/12/21 16:09	05/14/21 13:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/12/21 16:09*	*05/14/21 13:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*	*05/12/21 16:09*	*05/14/21 13:45*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*	*05/12/21 16:09*	*05/14/21 13:45*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*05/12/21 16:09*	*05/14/21 13:45*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*05/12/21 16:09*	*05/14/21 13:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/14/21 15:54	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/14/21 15:54	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/14/21 15:54	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/14/21 15:54	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/14/21 15:54	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/14/21 15:54	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/14/21 15:54	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/14/21 15:54	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/14/21 15:54	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/14/21 15:54	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/14/21 15:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/14/21 15:54*	*10*
4-Bromofluorobenzene	*95*		*76 - 120*		*05/14/21 15:54*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/14/21 15:54*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/14/21 15:54*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		1.0	1.0	%			05/13/21 11:41	1
Percent Solids	**91.8**		1.0	1.0	%			05/13/21 11:41	1

Client Sample ID: WC-10 (0-5)
Lab Sample ID: 460-234139-2
Date Collected: 05/11/21 10:10
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10 (0-5)
Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2
Matrix: Solid
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Methylnaphthalene	**0.047**	**J**	0.36	0.010	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Acenaphthene	**0.10**	**J**	0.36	0.010	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Acenaphthylene	**0.053**	**J**	0.36	0.0037	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Anthracene	**0.30**	**J**	0.36	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzo[a]anthracene	**0.63**		0.036	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzo[a]pyrene	**0.52**		0.036	0.0097	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzo[b]fluoranthene	**0.77**		0.036	0.0094	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzo[g,h,i]perylene	**0.27**	**J**	0.36	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Benzo[k]fluoranthene	**0.38**		0.036	0.0071	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Bis(2-ethylhexyl) phthalate	**0.059**	**J**	0.36	0.019	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Carbazole	**0.079**	**J**	0.36	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Chrysene	**0.66**		0.36	0.0062	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Dibenz(a,h)anthracene	**0.050**		0.036	0.016	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Dibenzofuran	**0.068**	**J**	0.36	0.0051	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Fluoranthene	**1.6**		0.36	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Fluorene	**0.14**	**J**	0.36	0.0049	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10 (0-5)
Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2
Matrix: Solid
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.27**		0.036	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Naphthalene	**0.040**	**J**	0.36	0.0063	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Phenanthrene	**1.2**		0.36	0.0064	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1
Pyrene	**1.4**		0.36	0.0090	mg/Kg	☼	05/12/21 18:38	05/13/21 20:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.76*	*J*	*mg/Kg*	☼	*1.33*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Aldol condensation product	*25*	*A J*	*mg/Kg*	☼	*2.11*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Phenanthrene, 1-methyl-	*0.53*	*J N*	*mg/Kg*	☼	*7.06*	*832-69-9*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
11H-Benzo[a]fluorene	*0.37*	*J N*	*mg/Kg*	☼	*7.93*	*238-84-6*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.39*	*J*	*mg/Kg*	☼	*9.32*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*9.49*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Benzo[e]pyrene	*0.56*	*J N*	*mg/Kg*	☼	*9.86*	*192-97-2*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
28-Nor-17.alpha.(H)-hopane	*0.89*	*J N*	*mg/Kg*	☼	*10.56*	*53584-60-4*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.44*	*J*	*mg/Kg*	☼	*10.75*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
.beta.-iso-Methyl ionone	*0.54*	*J N*	*mg/Kg*	☼	*10.87*	*1000285-40-2*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*11.25*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
.beta.-Sitosterol	*1.1*	*J N*	*mg/Kg*	☼	*11.50*	*83-46-5*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.46*	*J*	*mg/Kg*	☼	*11.56*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*11.67*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.38*	*J*	*mg/Kg*	☼	*11.87*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.55*	*J*	*mg/Kg*	☼	*12.02*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.66*	*J*	*mg/Kg*	☼	*12.07*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*1.4*	*J*	*mg/Kg*	☼	*12.42*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*1.2*	*J*	*mg/Kg*	☼	*12.59*		*05/12/21 18:38*	*05/13/21 20:52*	*1*
Unknown	*0.92*	*J*	*mg/Kg*	☼	*13.09*		*05/12/21 18:38*	*05/13/21 20:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
2-Fluorobiphenyl	*76*		*14 - 103*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 105*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Nitrobenzene-d5 (Surr)	*69*		*11 - 104*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Phenol-d5 (Surr)	*73*		*15 - 100*	*05/12/21 18:38*	*05/13/21 20:52*	*1*
Terphenyl-d14 (Surr)	*87*		*12 - 126*	*05/12/21 18:38*	*05/13/21 20:52*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/14/21 09:46	05/15/21 03:53	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/14/21 09:46	05/15/21 03:53	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/14/21 09:46	05/15/21 03:53	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/14/21 09:46	05/15/21 03:53	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/14/21 09:46	05/15/21 03:53	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/14/21 09:46	05/15/21 03:53	1

Client Sample ID: WC-10 (0-5)
Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2
Matrix: Solid
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/14/21 09:46	05/15/21 03:53	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/14/21 09:46	05/15/21 03:53	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/14/21 09:46	05/15/21 03:53	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/14/21 09:46	05/15/21 03:53	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/14/21 09:46	05/15/21 03:53	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/14/21 09:46	05/15/21 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*	*05/14/21 09:46*	*05/15/21 03:53*	*1*
2-Fluorobiphenyl	*79*		*42 - 127*	*05/14/21 09:46*	*05/15/21 03:53*	*1*
2-Fluorophenol (Surr)	*44*		*18 - 72*	*05/14/21 09:46*	*05/15/21 03:53*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*05/14/21 09:46*	*05/15/21 03:53*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*05/14/21 09:46*	*05/15/21 03:53*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 150*	*05/14/21 09:46*	*05/15/21 03:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	05/13/21 19:09	05/14/21 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:21*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:21*	*1*
Tetrachloro-m-xylene	*88*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:21*	*1*
Tetrachloro-m-xylene	*84*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/14/21 10:39	05/16/21 22:08	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 22:08	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/14/21 10:39	05/16/21 22:08	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/14/21 10:39	05/16/21 22:08	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10 (0-5)
Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2
Matrix: Solid
Percent Solids: 90.9

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/14/21 10:39	05/16/21 22:08	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 22:08	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/14/21 10:39	05/16/21 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:08*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:08*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:08*	*1*
Tetrachloro-m-xylene	*63*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*37 - 150*	*05/13/21 19:02*	*05/14/21 10:30*	*1*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*05/13/21 19:02*	*05/14/21 10:30*	*1*
Tetrachloro-m-xylene	*69*		*54 - 150*	*05/13/21 19:02*	*05/14/21 10:30*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*05/13/21 19:02*	*05/14/21 10:30*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	05/14/21 20:49	05/16/21 15:35	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/14/21 20:49	05/16/21 15:35	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	05/14/21 20:49	05/16/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*	*05/14/21 20:49*	*05/16/21 15:35*	*1*
2,4-Dichlorophenylacetic acid	*110*		*65 - 150*	*05/14/21 20:49*	*05/16/21 15:35*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/15/21 02:00	05/16/21 17:10	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/15/21 02:00	05/16/21 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*55*		*28 - 150*	*05/15/21 02:00*	*05/16/21 17:10*	*1*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/15/21 02:00*	*05/16/21 17:10*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**330**		2.2	2.2	mg/Kg	☼	05/13/21 10:24	05/14/21 16:20	1

Client Sample ID: WC-10 (0-5)
Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2
Matrix: Solid
Percent Solids: 90.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*40 - 140*	*05/13/21 10:24*	*05/14/21 16:20*	*1*
1-Chlorooctadecane	*140*		*40 - 140*	*05/13/21 10:24*	*05/14/21 16:20*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 22:12	5
Barium	**0.47**	**J**	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 22:12	5
Cadmium	**0.0023**	**J**	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 22:12	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 22:12	5
Lead	**0.017**	**J**	0.050	0.012	mg/L		05/15/21 21:15	05/16/21 22:12	5
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 22:12	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 22:12	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6110**		21.0	2.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Antimony	**0.27**	**J**	1.0	0.15	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Arsenic	**3.6**		1.0	0.10	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Barium	**58.2**		2.1	0.15	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Beryllium	**0.29**	**J**	0.42	0.060	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Cadmium	**0.18**	**J**	1.0	0.12	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Calcium	**22100**		105	17.8	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Chromium	**24.3**		2.1	0.18	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Cobalt	**5.8**		2.1	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Copper	**43.7**		2.1	0.23	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Iron	**15000**		62.9	21.2	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Lead	**65.2**		0.63	0.21	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Magnesium	**7110**		105	10.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Manganese	**235**		4.2	0.42	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Nickel	**14.6**		2.1	0.20	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Potassium	**1330**		105	11.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Selenium	**0.19**	**J**	1.3	0.12	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Sodium	**358**		105	16.3	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Thallium	**0.075**	**J**	0.42	0.043	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Vanadium	**26.6**		2.1	0.22	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1
Zinc	**64.4**		8.4	2.4	mg/Kg	☼	05/17/21 02:34	05/17/21 14:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 15:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.093**		0.018	0.0043	mg/Kg	☼	05/14/21 03:09	05/14/21 07:39	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.9**	**HF**			SU			05/16/21 14:04	1
Corrosivity	**10.9**	**HF**			SU			05/16/21 14:04	1

Client Sample ID: WC-10 (0-5)
Lab Sample ID: 460-234139-2

Date Collected: 05/11/21 10:10
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.93	mg/Kg	☼	05/15/21 09:20	05/17/21 14:17	1
Cr (VI)	2.2	U	2.2	0.92	mg/Kg	☼	05/25/21 08:02	05/25/21 15:55	1
Cyanide, Total	**0.22**	**J**	0.23	0.12	mg/Kg	☼	05/14/21 15:55	05/15/21 14:37	1
Oil & Grease	**5090**		648	216	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	**24.3**		2.0	2.0	mg/Kg			05/25/21 13:32	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/14/21 15:01	05/14/21 16:52	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/14/21 14:58	05/14/21 16:49	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/15/21 13:50	1
Percent Moisture	**9.1**		1.0	1.0	%			05/13/21 11:41	1
Percent Solids	**90.9**		1.0	1.0	%			05/13/21 11:41	1
Total Solids	**93.5**		0.10	0.10	%			05/14/21 14:57	1
Total Volatile Solids	**3.6**		0.10	0.10	%			05/14/21 14:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.3**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.0**				S.U.			05/14/21 10:21	1
Temperature	**22.9**				Degrees C			05/14/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.8**	**J**	5.1	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1
Total Solids	**239**		10.0	10.0	mg/L			05/14/21 14:33	1

Client Sample ID: WC-10B (7-9)
Lab Sample ID: 460-234139-3

Date Collected: 05/11/21 11:30
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10B (7-9)
Date Collected: 05/11/21 11:30
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-3
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00048	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
2-Hexanone	0.0066	U	0.0066	0.0022	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0020	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Acetone	0.0079	U	0.0079	0.0075	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Tetrachloroethene	**0.00066**	**J**	0.0013	0.00040	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Trichloroethene	**0.00052**	**J**	0.0013	0.00042	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	05/12/21 16:11	05/14/21 14:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/12/21 16:11*	*05/14/21 14:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*05/12/21 16:11*	*05/14/21 14:09*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*05/12/21 16:11*	*05/14/21 14:09*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*05/12/21 16:11*	*05/14/21 14:09*	*1*
Toluene-d8 (Surr)	*115*		*80 - 120*	*05/12/21 16:11*	*05/14/21 14:09*	*1*

Client Sample ID: WC-10B (7-9)
Lab Sample ID: 460-234139-3
Date Collected: 05/11/21 11:30
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/14/21 16:19	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/14/21 16:19	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/14/21 16:19	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/14/21 16:19	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/14/21 16:19	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/14/21 16:19	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/14/21 16:19	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/14/21 16:19	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/14/21 16:19	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/14/21 16:19	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/14/21 16:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 123*		*05/14/21 16:19*	*10*
4-Bromofluorobenzene	*98*		*76 - 120*		*05/14/21 16:19*	*10*
Dibromofluoromethane (Surr)	*114*		*77 - 124*		*05/14/21 16:19*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/14/21 16:19*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.9**		1.0	1.0	%			05/13/21 11:41	1
Percent Solids	**88.1**		1.0	1.0	%			05/13/21 11:41	1

Client Sample ID: WC-18 (0-5)
Lab Sample ID: 460-234139-4
Date Collected: 05/11/21 12:15
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Methylnaphthalene	**0.036**	**J**	0.37	0.010	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-18 (0-5)
Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4
Matrix: Solid
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Acenaphthene	**0.034**	**J**	0.37	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Acenaphthylene	**0.051**	**J**	0.37	0.0037	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Anthracene	**0.11**	**J**	0.37	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzo[a]anthracene	**0.34**		0.037	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzo[a]pyrene	**0.42**		0.037	0.0099	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzo[b]fluoranthene	**0.62**		0.037	0.0096	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzo[g,h,i]perylene	**0.20**	**J**	0.37	0.011	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Benzo[k]fluoranthene	**0.25**		0.037	0.0073	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Bis(2-ethylhexyl) phthalate	**0.031**	**J**	0.37	0.020	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Carbazole	**0.051**	**J**	0.37	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Chrysene	**0.36**	**J**	0.37	0.0063	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Dibenz(a,h)anthracene	**0.054**		0.037	0.016	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Dibenzofuran	**0.046**	**J**	0.37	0.0052	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Fluoranthene	**0.59**		0.37	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Fluorene	**0.043**	**J**	0.37	0.0050	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Indeno[1,2,3-cd]pyrene	**0.23**		0.037	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Naphthalene	**0.053**	**J**	0.37	0.0064	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Nitrobenzene	0.037	U	0.037	0.0089	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Phenanthrene	**0.37**		0.37	0.0065	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1
Pyrene	**0.54**		0.37	0.0092	mg/Kg	☼	05/12/21 18:38	05/13/21 21:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.97*	*J A*	*mg/Kg*	☼	*2.87*		*05/12/21 18:38*	*05/13/21 21:16*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-18 (0-5)
Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4
Matrix: Solid
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzo[e]pyrene	0.33	J N	mg/Kg	☼	13.10	192-97-2	05/12/21 18:38	05/13/21 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		10 - 123	05/12/21 18:38	05/13/21 21:16	1
2-Fluorobiphenyl	85		14 - 103	05/12/21 18:38	05/13/21 21:16	1
2-Fluorophenol (Surr)	84		10 - 105	05/12/21 18:38	05/13/21 21:16	1
Nitrobenzene-d5 (Surr)	79		11 - 104	05/12/21 18:38	05/13/21 21:16	1
Phenol-d5 (Surr)	89		15 - 100	05/12/21 18:38	05/13/21 21:16	1
Terphenyl-d14 (Surr)	90		12 - 126	05/12/21 18:38	05/13/21 21:16	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/14/21 09:46	05/15/21 04:17	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/14/21 09:46	05/15/21 04:17	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/14/21 09:46	05/15/21 04:17	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/14/21 09:46	05/15/21 04:17	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/14/21 09:46	05/15/21 04:17	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/14/21 09:46	05/15/21 04:17	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/14/21 09:46	05/15/21 04:17	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/14/21 09:46	05/15/21 04:17	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/14/21 09:46	05/15/21 04:17	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/14/21 09:46	05/15/21 04:17	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/14/21 09:46	05/15/21 04:17	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/14/21 09:46	05/15/21 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		33 - 150	05/14/21 09:46	05/15/21 04:17	1
2-Fluorobiphenyl	78		42 - 127	05/14/21 09:46	05/15/21 04:17	1
2-Fluorophenol (Surr)	58		18 - 72	05/14/21 09:46	05/15/21 04:17	1
Nitrobenzene-d5 (Surr)	92		46 - 137	05/14/21 09:46	05/15/21 04:17	1
Phenol-d5 (Surr)	50		10 - 50	05/14/21 09:46	05/15/21 04:17	1
Terphenyl-d14 (Surr)	75		39 - 150	05/14/21 09:46	05/15/21 04:17	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-18 (0-5)
Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4
Matrix: Solid
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/13/21 19:09	05/14/21 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:33*	*1*
DCB Decachlorobiphenyl	*109*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:33*	*1*
Tetrachloro-m-xylene	*101*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:33*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/14/21 10:39	05/16/21 22:22	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 22:22	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/14/21 10:39	05/16/21 22:22	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/14/21 10:39	05/16/21 22:22	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/14/21 10:39	05/16/21 22:22	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 22:22	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/14/21 10:39	05/16/21 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:22*	*1*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:22*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:22*	*1*
Tetrachloro-m-xylene	*55*		*10 - 150*	*05/14/21 10:39*	*05/16/21 22:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1221	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1232	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1242	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1248	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1260	**0.066**	**J**	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1
Polychlorinated biphenyls, Total	**0.066**	**J**	0.075	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*05/13/21 19:02*	*05/14/21 10:49*	*1*
DCB Decachlorobiphenyl	*94*		*37 - 150*	*05/13/21 19:02*	*05/14/21 10:49*	*1*
Tetrachloro-m-xylene	*108*		*54 - 150*	*05/13/21 19:02*	*05/14/21 10:49*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*05/13/21 19:02*	*05/14/21 10:49*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/14/21 20:49	05/17/21 10:52	1
2,4-D	0.037	U	0.037	0.014	mg/Kg	☼	05/14/21 20:49	05/17/21 10:52	1

Client Sample ID: WC-18 (0-5)
Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4
Matrix: Solid
Percent Solids: 89.2

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/14/21 20:49	05/17/21 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*84*		*65 - 150*	*05/14/21 20:49*	*05/17/21 10:52*	*1*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/14/21 20:49*	*05/17/21 10:52*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/15/21 02:00	05/16/21 17:24	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/15/21 02:00	05/16/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/15/21 02:00*	*05/16/21 17:24*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*05/15/21 02:00*	*05/16/21 17:24*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**100**		2.2	2.2	mg/Kg	☼	05/13/21 10:24	05/14/21 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*40 - 140*	*05/13/21 10:24*	*05/14/21 16:35*	*1*
1-Chlorooctadecane	*127*		*40 - 140*	*05/13/21 10:24*	*05/14/21 16:35*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 22:16	5
Barium	**0.55**	**J**	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 22:16	5
Cadmium	**0.0056**	**J**	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 22:16	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 22:16	5
Lead	**0.40**		0.050	0.012	mg/L		05/15/21 21:15	05/16/21 22:16	5
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 22:16	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 22:16	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6230**		21.0	2.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Antimony	**0.55**	**J**	1.0	0.15	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Arsenic	**5.2**		1.0	0.10	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Barium	**58.0**		2.1	0.15	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Beryllium	**0.41**	**J**	0.42	0.060	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Cadmium	**0.25**	**J**	1.0	0.12	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Calcium	**8820**		105	17.8	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Chromium	**20.8**		2.1	0.18	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Cobalt	**6.2**		2.1	0.16	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Copper	**65.8**		2.1	0.23	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Iron	**18000**		62.9	21.2	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Lead	**183**		0.63	0.21	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Magnesium	**3290**		105	10.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Manganese	**317**		4.2	0.42	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Nickel	**29.0**		2.1	0.20	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Potassium	**1030**		105	11.7	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1

Client Sample ID: WC-18 (0-5)
Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4
Matrix: Solid
Percent Solids: 89.2

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.30	J	1.3	0.12	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Silver	0.093	J	1.0	0.093	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Sodium	234		105	16.3	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Thallium	0.10	J	0.42	0.043	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Vanadium	30.1		2.1	0.22	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1
Zinc	93.1		8.4	2.4	mg/Kg	☼	05/17/21 02:34	05/17/21 14:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 15:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.018	0.0043	mg/Kg	☼	05/14/21 03:09	05/14/21 07:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9	HF			SU			05/16/21 14:07	1
Corrosivity	8.9	HF			SU			05/16/21 14:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.95	mg/Kg	☼	05/15/21 09:20	05/17/21 14:17	1
Cr (VI)	2.2	U	2.2	0.93	mg/Kg	☼	05/25/21 08:02	05/25/21 15:55	1
Cyanide, Total	0.24		0.24	0.13	mg/Kg	☼	05/14/21 15:55	05/15/21 14:38	1
Oil & Grease	462	J	661	220	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	20.8		2.0	2.0	mg/Kg			05/25/21 13:32	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/14/21 15:01	05/14/21 16:52	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/14/21 14:58	05/14/21 16:49	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/15/21 13:55	1
Percent Moisture	10.8		1.0	1.0	%			05/13/21 11:41	1
Percent Solids	89.2		1.0	1.0	%			05/13/21 11:41	1
Total Solids	92.6		0.10	0.10	%			05/14/21 14:57	1
Total Volatile Solids	3.2		0.10	0.10	%			05/14/21 14:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.3				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			05/14/21 10:21	1
Temperature	22.9				Degrees C			05/14/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.0	J	5.0	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-18 (0-5)

Lab Sample ID: 460-234139-4
Date Collected: 05/11/21 12:15
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 89.2

General Chemistry - ASTM Leach (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	**136**		10.0	10.0	mg/L			05/14/21 14:33	1

Client Sample ID: WC-18A (0-2)

Lab Sample ID: 460-234139-5
Date Collected: 05/11/21 12:20
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Methylene Chloride	**0.0059**		0.0020	0.0012	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1

Client Sample ID: WC-18A (0-2)
Lab Sample ID: 460-234139-5
Date Collected: 05/11/21 12:20
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	05/12/21 16:12	05/14/21 14:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/12/21 16:12*	*05/14/21 14:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/12/21 16:12*	*05/14/21 14:32*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*05/12/21 16:12*	*05/14/21 14:32*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*05/12/21 16:12*	*05/14/21 14:32*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*05/12/21 16:12*	*05/14/21 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/14/21 16:45	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/14/21 16:45	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/14/21 16:45	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/14/21 16:45	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/14/21 16:45	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/14/21 16:45	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/14/21 16:45	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/14/21 16:45	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/14/21 16:45	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/14/21 16:45	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/14/21 16:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*05/14/21 16:45*	*10*
4-Bromofluorobenzene	*95*		*76 - 120*		*05/14/21 16:45*	*10*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*05/14/21 16:45*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/14/21 16:45*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		1.0	1.0	%			05/13/21 11:41	1
Percent Solids	**93.5**		1.0	1.0	%			05/13/21 11:41	1

Client Sample ID: WC-11 (0-5)
Lab Sample ID: 460-234204-1
Date Collected: 05/12/21 08:15
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 92.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0047	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-11 (0-5)
Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1
Matrix: Solid
Percent Solids: 92.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0064	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Chloronaphthalene	0.36	U	0.36	0.016	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Methylnaphthalene	**0.025**	**J**	0.36	0.010	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Acenaphthene	**0.025**	**J**	0.36	0.010	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Acenaphthylene	**0.033**	**J**	0.36	0.0036	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Acetophenone	**0.029**	**J**	0.36	0.017	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Anthracene	**0.078**	**J**	0.36	0.011	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzo[a]anthracene	**0.28**		0.036	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzo[a]pyrene	**0.39**		0.036	0.0095	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzo[b]fluoranthene	**0.55**		0.036	0.0092	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzo[g,h,i]perylene	**0.98**		0.36	0.010	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Benzo[k]fluoranthene	**0.24**		0.036	0.0070	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Bis(2-ethylhexyl) phthalate	**0.083**	**J**	0.36	0.019	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Caprolactam	0.36	U	0.36	0.055	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Carbazole	**0.028**	**J**	0.36	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Chrysene	**0.34**	**J**	0.36	0.0060	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Dibenz(a,h)anthracene	**0.88**		0.036	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Dibenzofuran	**0.032**	**J**	0.36	0.0050	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1

Client Sample ID: WC-11 (0-5)
Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1
Matrix: Solid
Percent Solids: 92.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	**0.055**	**J**	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Fluoranthene	**0.52**		0.36	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Fluorene	**0.021**	**J**	0.36	0.0048	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Indeno[1,2,3-cd]pyrene	**0.82**		0.036	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Naphthalene	**0.035**	**J**	0.36	0.0062	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Phenanthrene	**0.24**	**J**	0.36	0.0063	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1
Pyrene	**0.50**		0.36	0.0089	mg/Kg	☼	05/13/21 18:07	05/14/21 17:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.0*	*A J*	*mg/Kg*	☼	*2.09*		*05/13/21 18:07*	*05/14/21 17:36*	*1*
Unknown	*0.52*	*J*	*mg/Kg*	☼	*9.32*		*05/13/21 18:07*	*05/14/21 17:36*	*1*
Benzo[e]pyrene	*0.38*	*J N*	*mg/Kg*	☼	*9.87*	*192-97-2*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
Unknown	*0.58*	*J*	*mg/Kg*	☼	*10.57*		*05/13/21 18:07*	*05/14/21 17:36*	*1*
Unknown	*0.47*	*J*	*mg/Kg*	☼	*10.65*		*05/13/21 18:07*	*05/14/21 17:36*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*10.88*		*05/13/21 18:07*	*05/14/21 17:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 123*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
2-Fluorobiphenyl	*78*		*14 - 103*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 105*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
Nitrobenzene-d5 (Surr)	*76*		*11 - 104*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
Phenol-d5 (Surr)	*71*		*15 - 100*	*05/13/21 18:07*	*05/14/21 17:36*	*1*
Terphenyl-d14 (Surr)	*92*		*12 - 126*	*05/13/21 18:07*	*05/14/21 17:36*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/15/21 06:32	05/15/21 23:54	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/15/21 06:32	05/15/21 23:54	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/15/21 06:32	05/15/21 23:54	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/15/21 06:32	05/15/21 23:54	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/15/21 06:32	05/15/21 23:54	1
3 & 4 Methylphenol	0.010	U *	0.010	0.00064	mg/L		05/15/21 06:32	05/15/21 23:54	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/15/21 06:32	05/15/21 23:54	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/15/21 06:32	05/15/21 23:54	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/15/21 06:32	05/15/21 23:54	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/15/21 06:32	05/15/21 23:54	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/15/21 06:32	05/15/21 23:54	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/15/21 06:32	05/15/21 23:54	1

Client Sample ID: WC-11 (0-5)
Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1
Matrix: Solid
Percent Solids: 92.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		33 - 150	05/15/21 06:32	05/15/21 23:54	1
2-Fluorobiphenyl	105		42 - 127	05/15/21 06:32	05/15/21 23:54	1
2-Fluorophenol (Surr)	62		18 - 72	05/15/21 06:32	05/15/21 23:54	1
Nitrobenzene-d5 (Surr)	116		46 - 137	05/15/21 06:32	05/15/21 23:54	1
Phenol-d5 (Surr)	40		10 - 50	05/15/21 06:32	05/15/21 23:54	1
Terphenyl-d14 (Surr)	98		39 - 150	05/15/21 06:32	05/15/21 23:54	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/13/21 19:09	05/14/21 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	127		10 - 150	05/13/21 19:09	05/14/21 08:45	1
DCB Decachlorobiphenyl	123		10 - 150	05/13/21 19:09	05/14/21 08:45	1
Tetrachloro-m-xylene	119		10 - 133	05/13/21 19:09	05/14/21 08:45	1
Tetrachloro-m-xylene	113		10 - 133	05/13/21 19:09	05/14/21 08:45	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/15/21 13:34	05/16/21 22:12	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 22:12	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/15/21 13:34	05/16/21 22:12	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/15/21 13:34	05/16/21 22:12	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/15/21 13:34	05/16/21 22:12	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 22:12	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/15/21 13:34	05/16/21 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 150	05/15/21 13:34	05/16/21 22:12	1
DCB Decachlorobiphenyl	80		10 - 150	05/15/21 13:34	05/16/21 22:12	1
Tetrachloro-m-xylene	79		10 - 150	05/15/21 13:34	05/16/21 22:12	1
Tetrachloro-m-xylene	88		10 - 150	05/15/21 13:34	05/16/21 22:12	1

Client Sample ID: WC-11 (0-5)
Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1
Matrix: Solid
Percent Solids: 92.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1260	**0.074**		0.072	0.0099	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1
Polychlorinated biphenyls, Total	**0.074**		0.072	0.0099	mg/Kg	☼	05/13/21 19:02	05/14/21 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*37 - 150*	*05/13/21 19:02*	*05/14/21 11:09*	*1*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*05/13/21 19:02*	*05/14/21 11:09*	*1*
Tetrachloro-m-xylene	*83*		*54 - 150*	*05/13/21 19:02*	*05/14/21 11:09*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*05/13/21 19:02*	*05/14/21 11:09*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	05/14/21 20:49	05/16/21 15:49	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/14/21 20:49	05/16/21 15:49	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	05/14/21 20:49	05/16/21 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*124*		*65 - 150*	*05/14/21 20:49*	*05/16/21 15:49*	*1*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*	*05/14/21 20:49*	*05/16/21 15:49*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 10:47	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/16/21 22:30*	*05/18/21 10:47*	*1*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*	*05/16/21 22:30*	*05/18/21 10:47*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**230**		2.1	2.1	mg/Kg	☼	05/14/21 10:34	05/15/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*118*		*40 - 140*	*05/14/21 10:34*	*05/15/21 14:52*	*1*
1-Chlorooctadecane	*122*		*40 - 140*	*05/14/21 10:34*	*05/15/21 14:52*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 22:20	5
Barium	**0.59**	**J**	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 22:20	5
Cadmium	**0.0044**	**J**	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 22:20	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 22:20	5
Lead	**0.085**		0.050	0.012	mg/L		05/15/21 21:15	05/16/21 22:20	5

Client Sample ID: WC-11 (0-5)
Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1
Matrix: Solid
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 22:20	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 22:20	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5250**		20.5	2.7	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Antimony	**0.76**	**J**	1.0	0.15	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Arsenic	**4.9**		1.0	0.10	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Barium	**64.5**		2.1	0.15	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Beryllium	**0.32**	**J**	0.41	0.058	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Cadmium	**0.29**	**J**	1.0	0.12	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Calcium	**9740**		103	17.4	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Chromium	**19.6**	**B**	2.1	0.18	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Cobalt	**8.6**		2.1	0.15	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Copper	**122**		2.1	0.23	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Iron	**18700**		61.5	20.7	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Lead	**122**		0.62	0.21	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Magnesium	**3520**		103	10.5	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Manganese	**336**		4.1	0.41	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Nickel	**18.8**		2.1	0.20	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Potassium	**1110**		103	11.5	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Selenium	**0.31**	**J**	1.3	0.12	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Silver	**0.13**	**J**	1.0	0.091	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Sodium	**247**		103	16.0	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Thallium	**0.13**	**J**	0.41	0.042	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Vanadium	**24.6**		2.1	0.21	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1
Zinc	**412**		8.2	2.3	mg/Kg	☼	05/17/21 05:20	05/17/21 23:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.096**		0.016	0.0039	mg/Kg	☼	05/17/21 03:21	05/17/21 07:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**HF**			SU			05/16/21 15:38	1
Corrosivity	**8.4**	**HF**			SU			05/16/21 15:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.1	U	2.1	0.91	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/19/21 18:17	05/20/21 14:38	1
Oil & Grease	**1790**		642	214	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	**19.6**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/15/21 13:55	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-11 (0-5)
Lab Sample ID: 460-234204-1
Date Collected: 05/12/21 08:15
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 92.9

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.1		1.0	1.0	%			05/13/21 13:21	1
Percent Solids	92.9		1.0	1.0	%			05/13/21 13:21	1
Total Solids	91.0		0.10	0.10	%			05/14/21 14:57	1
Total Volatile Solids	2.8		0.10	0.10	%			05/14/21 14:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.4				S.U.			05/15/21 10:21	1
Temperature	22.9				Degrees C			05/15/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	14.9		5.1	1.4	mg/L			05/17/21 17:39	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	13.8		10.0	10.0	mg/Kg			05/15/21 14:58	1
Total Solids	96.0		10.0	10.0	mg/L			05/17/21 09:05	1

Client Sample ID: WC-11A (0-2)
Lab Sample ID: 460-234204-2
Date Collected: 05/12/21 08:20
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0017	U	0.0017	0.00039	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	0.00036	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U	0.0017	0.00050	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,1,2-Trichloroethane	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,1-Dichloroethane	0.0017	U	0.0017	0.00034	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,1-Dichloroethene	0.0017	U	0.0017	0.00037	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2,3-Trichlorobenzene	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2,4-Trichlorobenzene	0.0017	U	0.0017	0.00059	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.00076	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2-Dichlorobenzene	0.0017	U	0.0017	0.00060	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2-Dichloroethane	0.0017	U	0.0017	0.00049	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,2-Dichloropropane	0.0017	U	0.0017	0.00070	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,3-Dichlorobenzene	0.0017	U	0.0017	0.00061	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
1,4-Dichlorobenzene	0.0017	U	0.0017	0.00037	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
2-Butanone (MEK)	0.0083	U	0.0083	0.00061	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
2-Hexanone	0.0083	U	0.0083	0.0028	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
4-Methyl-2-pentanone (MIBK)	0.0083	U	0.0083	0.0026	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Acetone	0.010	U	0.010	0.0095	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Benzene	0.0017	U	0.0017	0.00043	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Bromoform	0.0017	U	0.0017	0.00071	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Bromomethane	0.0033	U	0.0033	0.0017	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Carbon disulfide	0.0017	U	0.0017	0.00044	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1

Client Sample ID: WC-11A (0-2)
Date Collected: 05/12/21 08:20
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-2
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0017	U	0.0017	0.00064	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chlorobenzene	0.0017	U	0.0017	0.00029	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chlorobromomethane	0.0017	U	0.0017	0.00047	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chlorodibromomethane	0.0017	U	0.0017	0.00032	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chloroethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chloroform	0.0017	U	0.0017	0.0016	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Chloromethane	0.0017	U	0.0017	0.00072	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
cis-1,2-Dichloroethene	0.0017	U	0.0017	0.00059	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
cis-1,3-Dichloropropene	0.0017	U	0.0017	0.00045	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Cyclohexane	0.0017	U	0.0017	0.00037	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Dichlorobromomethane	0.0017	U	0.0017	0.00043	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Dichlorodifluoromethane	0.0017	U	0.0017	0.00056	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Ethylbenzene	0.0017	U	0.0017	0.00033	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Ethylene Dibromide	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Isopropylbenzene	0.0017	U	0.0017	0.00047	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Methyl acetate	0.0083	U	0.0083	0.0071	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Methyl tert-butyl ether	0.0017	U	0.0017	0.00085	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Methylcyclohexane	0.0017	U	0.0017	0.00083	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Methylene Chloride	0.0033	U	0.0033	0.0019	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
m-Xylene & p-Xylene	0.0017	U	0.0017	0.00029	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
o-Xylene	0.0017	U	0.0017	0.00032	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Styrene	0.0017	U	0.0017	0.00046	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Tetrachloroethene	**0.00057**	**J**	0.0017	0.00051	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Toluene	0.0017	U	0.0017	0.00039	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
trans-1,2-Dichloroethene	0.0017	U	0.0017	0.00041	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
trans-1,3-Dichloropropene	0.0017	U	0.0017	0.00044	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Trichloroethene	**0.00078**	**J**	0.0017	0.00053	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Trichlorofluoromethane	0.0017	U	0.0017	0.00067	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1
Vinyl chloride	0.0017	U	0.0017	0.00091	mg/Kg	☼	05/13/21 15:32	05/16/21 02:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/13/21 15:32*	*05/16/21 02:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*05/13/21 15:32*	*05/16/21 02:22*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*	*05/13/21 15:32*	*05/16/21 02:22*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*	*05/13/21 15:32*	*05/16/21 02:22*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*05/13/21 15:32*	*05/16/21 02:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/17/21 01:49	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/17/21 01:49	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/17/21 01:49	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/17/21 01:49	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/17/21 01:49	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/17/21 01:49	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/17/21 01:49	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/17/21 01:49	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/17/21 01:49	10

Client Sample ID: WC-11A (0-2)
Lab Sample ID: 460-234204-2
Date Collected: 05/12/21 08:20
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/17/21 01:49	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/17/21 01:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/17/21 01:49*	*10*
4-Bromofluorobenzene	*106*		*76 - 120*		*05/17/21 01:49*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*05/17/21 01:49*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/17/21 01:49*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.5**		1.0	1.0	%			05/13/21 13:21	1
Percent Solids	**82.5**		1.0	1.0	%			05/13/21 13:21	1

Client Sample ID: WC-10_WC-11 (5-10)
Lab Sample ID: 460-234204-3
Date Collected: 05/12/21 11:10
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 85.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0052	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0070	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Methylnaphthalene	**0.076**	**J**	0.39	0.011	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Nitroaniline	0.39	U	0.39	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Acenaphthene	**0.038**	**J**	0.39	0.011	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Acenaphthylene	**0.017**	**J**	0.39	0.0039	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10_WC-11 (5-10)
Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3
Matrix: Solid
Percent Solids: 85.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Anthracene	**0.093**	**J**	0.39	0.012	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzo[a]anthracene	**0.34**		0.039	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzo[a]pyrene	**0.32**		0.039	0.010	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzo[b]fluoranthene	**0.45**		0.039	0.010	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzo[g,h,i]perylene	**0.44**		0.39	0.011	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Benzo[k]fluoranthene	**0.20**		0.039	0.0076	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Bis(2-ethylhexyl) phthalate	**0.22**	**J**	0.39	0.021	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Carbazole	**0.037**	**J**	0.39	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Chrysene	**0.37**	**J**	0.39	0.0066	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Dibenz(a,h)anthracene	**0.18**		0.039	0.017	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Dibenzofuran	**0.028**	**J**	0.39	0.0055	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Diethyl phthalate	0.39	U	0.39	0.0056	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Di-n-butyl phthalate	**0.038**	**J**	0.39	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Fluoranthene	**0.78**		0.39	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Fluorene	**0.030**	**J**	0.39	0.0053	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Indeno[1,2,3-cd]pyrene	**0.44**		0.039	0.015	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Naphthalene	**0.21**	**J**	0.39	0.0067	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Nitrobenzene	0.039	U	0.039	0.0093	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Phenanthrene	**0.33**	**J**	0.39	0.0068	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1
Pyrene	**0.72**		0.39	0.0097	mg/Kg	☼	05/13/21 18:07	05/14/21 17:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*45*	*A J*	*mg/Kg*	☼	*2.11*		*05/13/21 18:07*	*05/14/21 17:53*	*1*
Tetradecane	*0.37*	*J N*	*mg/Kg*	☼	*5.08*	*629-59-4*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Unknown	*0.44*	*J*	*mg/Kg*	☼	*9.32*		*05/13/21 18:07*	*05/14/21 17:53*	*1*
Tetracosane	*0.35*	*J N*	*mg/Kg*	☼	*9.50*	*646-31-1*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Heptacosane	*0.45*	*J N*	*mg/Kg*	☼	*9.84*	*593-49-7*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Perylene	*0.38*	*J N*	*mg/Kg*	☼	*9.87*	*198-55-0*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
trans-2,3-Epoxydecane	*0.37*	*J N*	*mg/Kg*	☼	*10.20*	*54125-39-2*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
28-Nor-17.alpha.(H)-hopane	*1.4*	*J N*	*mg/Kg*	☼	*10.57*	*53584-60-4*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Unknown	*0.69*	*J*	*mg/Kg*	☼	*10.88*		*05/13/21 18:07*	*05/14/21 17:53*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*11.26*		*05/13/21 18:07*	*05/14/21 17:53*	*1*

Client Sample ID: WC-10_WC-11 (5-10)
Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3
Matrix: Solid
Percent Solids: 85.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 123*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
2-Fluorobiphenyl	*80*		*14 - 103*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 105*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Phenol-d5 (Surr)	*75*		*15 - 100*	*05/13/21 18:07*	*05/14/21 17:53*	*1*
Terphenyl-d14 (Surr)	*95*		*12 - 126*	*05/13/21 18:07*	*05/14/21 17:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/15/21 06:32	05/16/21 00:16	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/15/21 06:32	05/16/21 00:16	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/15/21 06:32	05/16/21 00:16	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/15/21 06:32	05/16/21 00:16	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/15/21 06:32	05/16/21 00:16	1
3 & 4 Methylphenol	0.010	U *	0.010	0.00064	mg/L		05/15/21 06:32	05/16/21 00:16	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/15/21 06:32	05/16/21 00:16	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/15/21 06:32	05/16/21 00:16	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/15/21 06:32	05/16/21 00:16	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/15/21 06:32	05/16/21 00:16	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/15/21 06:32	05/16/21 00:16	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/15/21 06:32	05/16/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 150*	*05/15/21 06:32*	*05/16/21 00:16*	*1*
2-Fluorobiphenyl	*104*		*42 - 127*	*05/15/21 06:32*	*05/16/21 00:16*	*1*
2-Fluorophenol (Surr)	*61*		*18 - 72*	*05/15/21 06:32*	*05/16/21 00:16*	*1*
Nitrobenzene-d5 (Surr)	*113*		*46 - 137*	*05/15/21 06:32*	*05/16/21 00:16*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*05/15/21 06:32*	*05/16/21 00:16*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 150*	*05/15/21 06:32*	*05/16/21 00:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0013	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
4,4'-DDE	**0.0029**	**J**	0.0079	0.00093	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
4,4'-DDT	0.0079	U	0.0079	0.0014	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
alpha-BHC	0.0023	U	0.0023	0.00080	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endosulfan sulfate	0.0079	U	0.0079	0.00099	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00073	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Heptachlor	0.0079	U	0.0079	0.00093	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1

Client Sample ID: WC-10_WC-11 (5-10)
Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3
Matrix: Solid
Percent Solids: 85.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.079	U	0.079	0.028	mg/Kg	☼	05/13/21 19:09	05/14/21 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:57*	*1*
DCB Decachlorobiphenyl	*121*		*10 - 150*	*05/13/21 19:09*	*05/14/21 08:57*	*1*
Tetrachloro-m-xylene	*114*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:57*	*1*
Tetrachloro-m-xylene	*117*		*10 - 133*	*05/13/21 19:09*	*05/14/21 08:57*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/15/21 13:34	05/16/21 22:27	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 22:27	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/15/21 13:34	05/16/21 22:27	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/15/21 13:34	05/16/21 22:27	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/15/21 13:34	05/16/21 22:27	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 22:27	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/15/21 13:34	05/16/21 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/15/21 13:34*	*05/16/21 22:27*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*05/15/21 13:34*	*05/16/21 22:27*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*05/15/21 13:34*	*05/16/21 22:27*	*1*
Tetrachloro-m-xylene	*92*		*10 - 150*	*05/15/21 13:34*	*05/16/21 22:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1221	0.079	U	0.079	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1232	0.079	U	0.079	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1242	0.079	U	0.079	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1248	0.079	U	0.079	0.010	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1260	0.079	U	0.079	0.011	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1
Polychlorinated biphenyls, Total	0.079	U	0.079	0.011	mg/Kg	☼	05/13/21 19:02	05/14/21 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*37 - 150*	*05/13/21 19:02*	*05/14/21 11:28*	*1*
DCB Decachlorobiphenyl	*115*		*37 - 150*	*05/13/21 19:02*	*05/14/21 11:28*	*1*
Tetrachloro-m-xylene	*84*		*54 - 150*	*05/13/21 19:02*	*05/14/21 11:28*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*05/13/21 19:02*	*05/14/21 11:28*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0083	mg/Kg	☼	05/14/21 20:49	05/16/21 16:03	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	05/14/21 20:49	05/16/21 16:03	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	05/14/21 20:49	05/16/21 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*120*		*65 - 150*	*05/14/21 20:49*	*05/16/21 16:03*	*1*

Client Sample ID: WC-10_WC-11 (5-10)
Lab Sample ID: 460-234204-3

Date Collected: 05/12/21 11:10
Matrix: Solid
Date Received: 05/12/21 18:30
Percent Solids: 85.2

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*121*		*65 - 150*	*05/14/21 20:49*	*05/16/21 16:03*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 11:01	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/16/21 22:30*	*05/18/21 11:01*	*1*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/16/21 22:30*	*05/18/21 11:01*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**2000**		23	23	mg/Kg	☼	05/14/21 10:34	05/15/21 15:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*40 - 140*	*05/14/21 10:34*	*05/15/21 15:05*	*10*
1-Chlorooctadecane	*92*		*40 - 140*	*05/14/21 10:34*	*05/15/21 15:05*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 22:24	5
Barium	**0.44**	**J**	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 22:24	5
Cadmium	**0.0018**	**J**	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 22:24	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 22:24	5
Lead	0.050	U	0.050	0.012	mg/L		05/15/21 21:15	05/16/21 22:24	5
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 22:24	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 22:24	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4570**		22.3	2.9	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Antimony	**0.26**	**J**	1.1	0.16	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Arsenic	**3.4**		1.1	0.11	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Barium	**48.5**		2.2	0.16	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Beryllium	**0.38**	**J**	0.45	0.064	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Cadmium	**0.17**	**J**	1.1	0.13	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Calcium	**26700**		112	19.0	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Chromium	**13.3**	**B**	2.2	0.19	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Cobalt	**5.0**		2.2	0.17	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Copper	**31.5**		2.2	0.25	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Iron	**14600**		67.0	22.6	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Lead	**52.6**		0.67	0.22	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Magnesium	**8060**		112	11.4	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Manganese	**262**		4.5	0.45	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Nickel	**13.0**		2.2	0.22	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Potassium	**1020**		112	12.5	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Selenium	**0.16**	**J**	1.4	0.13	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Silver	1.1	U	1.1	0.099	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Sodium	**216**		112	17.4	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1

Client Sample ID: WC-10_WC-11 (5-10)
Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3
Matrix: Solid
Percent Solids: 85.2

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.086**	**J**	0.45	0.046	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Vanadium	**23.4**		2.2	0.23	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1
Zinc	**57.9**		8.9	2.6	mg/Kg	☼	05/17/21 05:20	05/17/21 23:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.083**		0.019	0.0045	mg/Kg	☼	05/17/21 03:21	05/17/21 07:43	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**11.2**	**HF**			SU			05/16/21 14:00	1
Corrosivity	**11.2**	**HF**			SU			05/16/21 14:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.3	U	2.3	0.99	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	**0.27**		0.25	0.14	mg/Kg	☼	05/19/21 18:17	05/20/21 14:40	1
Oil & Grease	**5020**		695	232	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/15/21 13:40	1
Cr (III)	**13.3**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/15/21 14:00	1
Percent Moisture	**14.8**		1.0	1.0	%			05/13/21 13:21	1
Percent Solids	**85.2**		1.0	1.0	%			05/13/21 13:21	1
Total Solids	**88.5**		0.10	0.10	%			05/14/21 14:57	1
Total Volatile Solids	**2.6**		0.10	0.10	%			05/14/21 14:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.7**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.4**				S.U.			05/15/21 10:21	1
Temperature	**22.9**				Degrees C			05/15/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**8.0**		5.2	1.5	mg/L			05/17/21 17:39	1
Ammonia	**0.066**	**J**	0.10	0.050	mg/L			05/17/21 17:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1
Total Solids	**146**		10.0	10.0	mg/L			05/17/21 09:05	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-19 (0-5)
Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Methylnaphthalene	**0.10**	**J**	0.35	0.0098	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Acenaphthene	**0.028**	**J**	0.35	0.010	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Acenaphthylene	**0.037**	**J**	0.35	0.0035	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Anthracene	**0.088**	**J**	0.35	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzo[a]anthracene	**0.30**		0.035	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzo[a]pyrene	**0.30**		0.035	0.0093	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzo[b]fluoranthene	**0.45**		0.035	0.0091	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzo[g,h,i]perylene	**0.19**	**J**	0.35	0.010	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Benzo[k]fluoranthene	**0.18**		0.035	0.0069	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Bis(2-ethylhexyl) phthalate	**0.042**	**J**	0.35	0.019	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Carbazole	**0.034**	**J**	0.35	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Chrysene	**0.32**	**J**	0.35	0.0059	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Dibenz(a,h)anthracene	**0.034**	**J**	0.035	0.015	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Dibenzofuran	**0.044**	**J**	0.35	0.0049	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1

Client Sample ID: WC-19 (0-5)
Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Di-n-butyl phthalate	**0.014**	**J**	0.35	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Fluoranthene	**0.56**		0.35	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Fluorene	**0.042**	**J**	0.35	0.0047	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Indeno[1,2,3-cd]pyrene	**0.24**		0.035	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Naphthalene	**0.073**	**J**	0.35	0.0060	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Phenanthrene	**0.29**	**J**	0.35	0.0062	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1
Pyrene	**0.51**		0.35	0.0087	mg/Kg	☼	05/15/21 14:23	05/16/21 01:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.85*	*A J*	*mg/Kg*	☼	*2.09*		*05/15/21 14:23*	*05/16/21 01:27*	*1*
Undecane	*0.28*	*J N*	*mg/Kg*	☼	*5.33*	*1120-21-4*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
Pentadecane, 2,6,10-trimethyl-	*0.31*	*J N*	*mg/Kg*	☼	*6.03*	*3892-00-0*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
Dodecane, 2,7,10-trimethyl-	*0.57*	*J N*	*mg/Kg*	☼	*6.24*	*74645-98-0*	*05/15/21 14:23*	*05/16/21 01:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 123*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
2-Fluorobiphenyl	*65*		*14 - 103*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 105*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
Phenol-d5 (Surr)	*61*		*15 - 100*	*05/15/21 14:23*	*05/16/21 01:27*	*1*
Terphenyl-d14 (Surr)	*76*		*12 - 126*	*05/15/21 14:23*	*05/16/21 01:27*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/16/21 07:20	05/17/21 03:36	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/16/21 07:20	05/17/21 03:36	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/16/21 07:20	05/17/21 03:36	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/16/21 07:20	05/17/21 03:36	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/16/21 07:20	05/17/21 03:36	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/16/21 07:20	05/17/21 03:36	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/16/21 07:20	05/17/21 03:36	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/16/21 07:20	05/17/21 03:36	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/16/21 07:20	05/17/21 03:36	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/16/21 07:20	05/17/21 03:36	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/16/21 07:20	05/17/21 03:36	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/16/21 07:20	05/17/21 03:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-19 (0-5)
Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1
Matrix: Solid
Percent Solids: 94.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*33 - 150*	*05/16/21 07:20*	*05/17/21 03:36*	*1*
2-Fluorobiphenyl	*105*		*42 - 127*	*05/16/21 07:20*	*05/17/21 03:36*	*1*
2-Fluorophenol (Surr)	*70*		*18 - 72*	*05/16/21 07:20*	*05/17/21 03:36*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 137*	*05/16/21 07:20*	*05/17/21 03:36*	*1*
Phenol-d5 (Surr)	*50*		*10 - 50*	*05/16/21 07:20*	*05/17/21 03:36*	*1*
Terphenyl-d14 (Surr)	*117*		*39 - 150*	*05/16/21 07:20*	*05/17/21 03:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/15/21 14:31	05/17/21 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/15/21 14:31*	*05/17/21 07:47*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*05/15/21 14:31*	*05/17/21 07:47*	*1*
Tetrachloro-m-xylene	*56*		*10 - 133*	*05/15/21 14:31*	*05/17/21 07:47*	*1*
Tetrachloro-m-xylene	*55*		*10 - 133*	*05/15/21 14:31*	*05/17/21 07:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 06:10	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:10	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 06:10	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 06:10	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 06:10	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:10	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:10*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:10*	*1*
Tetrachloro-m-xylene	*92*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:10*	*1*
Tetrachloro-m-xylene	*90*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:10*	*1*

Client Sample ID: WC-19 (0-5)
Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1
Matrix: Solid
Percent Solids: 94.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1260	**0.22**		0.071	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1
Polychlorinated biphenyls, Total	**0.22**		0.071	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*05/15/21 14:27*	*05/16/21 20:31*	*1*
DCB Decachlorobiphenyl	*94*		*37 - 150*	*05/15/21 14:27*	*05/16/21 20:31*	*1*
Tetrachloro-m-xylene	*65*		*54 - 150*	*05/15/21 14:27*	*05/16/21 20:31*	*1*
Tetrachloro-m-xylene	*87*		*54 - 150*	*05/15/21 14:27*	*05/16/21 20:31*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/16/21 22:34	05/18/21 11:42	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/16/21 22:34	05/18/21 11:42	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/16/21 22:34	05/18/21 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*114*		*65 - 150*	*05/16/21 22:34*	*05/18/21 11:42*	*1*
2,4-Dichlorophenylacetic acid	*127*		*65 - 150*	*05/16/21 22:34*	*05/18/21 11:42*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 14:09	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:09*	*1*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:09*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**400**		2.1	2.1	mg/Kg	☼	05/16/21 13:22	05/16/21 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*125*		*40 - 140*	*05/16/21 13:22*	*05/16/21 22:03*	*1*
1-Chlorooctadecane	*326*	*	*40 - 140*	*05/16/21 13:22*	*05/16/21 22:03*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 15:40	5
Barium	**0.65**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 15:40	5
Cadmium	**0.0035**	**J**	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 15:40	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 15:40	5
Lead	**0.38**		0.050	0.012	mg/L		05/18/21 03:02	05/18/21 15:40	5

Client Sample ID: WC-19 (0-5)
Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1
Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 15:40	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 15:40	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5600**		20.7	2.7	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Antimony	**0.65**	**J**	1.0	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Arsenic	**4.2**		1.0	0.10	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Barium	**56.3**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Beryllium	**0.35**	**J**	0.41	0.059	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Cadmium	**0.29**	**J**	1.0	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Calcium	**6360**		104	17.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Chromium	**18.0**		2.1	0.18	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Cobalt	**5.9**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Copper	**57.6**		2.1	0.23	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Iron	**13900**		62.2	20.9	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Lead	**127**		0.62	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Magnesium	**3260**		104	10.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Manganese	**298**		4.1	0.42	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Nickel	**25.3**		2.1	0.20	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Potassium	**1060**		104	11.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Selenium	**0.28**	**J**	1.3	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Silver	**0.15**	**J**	1.0	0.092	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Sodium	**254**		104	16.2	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Thallium	**0.10**	**J**	0.41	0.043	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Vanadium	**24.0**		2.1	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1
Zinc	**76.1**		8.3	2.4	mg/Kg	☼	05/20/21 03:06	05/21/21 11:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.018	0.0042	mg/Kg	☼	05/17/21 04:05	05/17/21 09:35	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**	**HF**			SU			05/20/21 13:15	1
Corrosivity	**8.8**	**HF**			SU			05/20/21 13:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.1	U	2.1	0.89	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	**0.34**		0.23	0.12	mg/Kg	☼	05/19/21 18:17	05/20/21 14:45	1
Oil & Grease	**576**	**J**	623	208	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:00	1
Cr (III)	**18.0**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client Sample ID: WC-19 (0-5)
Lab Sample ID: 460-234327-1
Date Collected: 05/13/21 08:30
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 94.5

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.5**		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	**94.5**		1.0	1.0	%			05/18/21 14:07	1
Total Solids	**94.0**		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	**2.6**		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.7**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			05/16/21 10:21	1
Temperature	**22.9**				Degrees C			05/16/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**13.1**		10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	**87.0**		10.0	10.0	mg/L			05/17/21 09:05	1

Client Sample ID: WC-20 (0-5)
Lab Sample ID: 460-234327-2
Date Collected: 05/13/21 08:40
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 92.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0047	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Methylnaphthalene	**0.050**	**J**	0.36	0.010	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Acenaphthene	**0.038**	**J**	0.36	0.010	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Acenaphthylene	**0.035**	**J**	0.36	0.0036	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Anthracene	**0.11**	**J**	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzo[a]anthracene	**0.35**		0.036	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzo[a]pyrene	**0.37**		0.036	0.0095	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzo[b]fluoranthene	**0.55**		0.036	0.0092	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzo[g,h,i]perylene	**0.22**	**J**	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Benzo[k]fluoranthene	**0.20**		0.036	0.0070	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Bis(2-ethylhexyl) phthalate	**0.054**	**J**	0.36	0.019	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Carbazole	**0.051**	**J**	0.36	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Chrysene	**0.37**		0.36	0.0060	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Dibenz(a,h)anthracene	**0.049**		0.036	0.015	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Dibenzofuran	**0.044**	**J**	0.36	0.0050	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Fluoranthene	**0.64**		0.36	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Fluorene	**0.039**	**J**	0.36	0.0048	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Indeno[1,2,3-cd]pyrene	**0.30**		0.036	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Naphthalene	**0.071**	**J**	0.36	0.0062	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Phenanthrene	**0.40**		0.36	0.0063	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1
Pyrene	**0.59**		0.36	0.0089	mg/Kg	☼	05/15/21 14:23	05/16/21 01:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.82*	*A J*	*mg/Kg*	☼	*2.09*		*05/15/21 14:23*	*05/16/21 01:10*	*1*
Benzo[e]pyrene	*0.32*	*J N*	*mg/Kg*	☼	*9.85*	*192-97-2*	*05/15/21 14:23*	*05/16/21 01:10*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*10 - 123*	*05/15/21 14:23*	*05/16/21 01:10*	*1*
2-Fluorobiphenyl	*62*		*14 - 103*	*05/15/21 14:23*	*05/16/21 01:10*	*1*
2-Fluorophenol (Surr)	*63*		*10 - 105*	*05/15/21 14:23*	*05/16/21 01:10*	*1*
Nitrobenzene-d5 (Surr)	*61*		*11 - 104*	*05/15/21 14:23*	*05/16/21 01:10*	*1*
Phenol-d5 (Surr)	*60*		*15 - 100*	*05/15/21 14:23*	*05/16/21 01:10*	*1*
Terphenyl-d14 (Surr)	*75*		*12 - 126*	*05/15/21 14:23*	*05/16/21 01:10*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/16/21 07:20	05/17/21 03:58	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/16/21 07:20	05/17/21 03:58	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/16/21 07:20	05/17/21 03:58	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/16/21 07:20	05/17/21 03:58	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/16/21 07:20	05/17/21 03:58	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/16/21 07:20	05/17/21 03:58	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/16/21 07:20	05/17/21 03:58	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/16/21 07:20	05/17/21 03:58	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/16/21 07:20	05/17/21 03:58	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/16/21 07:20	05/17/21 03:58	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/16/21 07:20	05/17/21 03:58	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/16/21 07:20	05/17/21 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*	*05/16/21 07:20*	*05/17/21 03:58*	*1*
2-Fluorobiphenyl	*103*		*42 - 127*	*05/16/21 07:20*	*05/17/21 03:58*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/16/21 07:20*	*05/17/21 03:58*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 137*	*05/16/21 07:20*	*05/17/21 03:58*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/16/21 07:20*	*05/17/21 03:58*	*1*
Terphenyl-d14 (Surr)	*111*		*39 - 150*	*05/16/21 07:20*	*05/17/21 03:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/15/21 14:31	05/17/21 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*05/15/21 14:31*	*05/17/21 08:00*	*1*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*05/15/21 14:31*	*05/17/21 08:00*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*05/15/21 14:31*	*05/17/21 08:00*	*1*
Tetrachloro-m-xylene	*60*		*10 - 133*	*05/15/21 14:31*	*05/17/21 08:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 06:25	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:25	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 06:25	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 06:25	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 06:25	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:25	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:25*	*1*
DCB Decachlorobiphenyl	*82*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:25*	*1*
Tetrachloro-m-xylene	*90*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:25*	*1*
Tetrachloro-m-xylene	*90*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1260	**0.11**		0.072	0.0099	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1
Polychlorinated biphenyls, Total	**0.11**		0.072	0.0099	mg/Kg	☼	05/15/21 14:27	05/16/21 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/15/21 14:27*	*05/16/21 20:51*	*1*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/15/21 14:27*	*05/16/21 20:51*	*1*
Tetrachloro-m-xylene	*73*		*54 - 150*	*05/15/21 14:27*	*05/16/21 20:51*	*1*
Tetrachloro-m-xylene	*92*		*54 - 150*	*05/15/21 14:27*	*05/16/21 20:51*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	05/16/21 22:34	05/18/21 11:56	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/16/21 22:34	05/18/21 11:56	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	05/16/21 22:34	05/18/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*114*		*65 - 150*	*05/16/21 22:34*	*05/18/21 11:56*	*1*

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*132*		*65 - 150*	*05/16/21 22:34*	*05/18/21 11:56*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 14:24	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*55*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:24*	*1*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:24*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**220**		2.2	2.2	mg/Kg	☼	05/16/21 13:22	05/16/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*131*		*40 - 140*	*05/16/21 13:22*	*05/16/21 22:17*	*1*
1-Chlorooctadecane	*160*	*	*40 - 140*	*05/16/21 13:22*	*05/16/21 22:17*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 15:44	5
Barium	**0.57**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 15:44	5
Cadmium	**0.0027**	**J**	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 15:44	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 15:44	5
Lead	**0.15**		0.050	0.012	mg/L		05/18/21 03:02	05/18/21 15:44	5
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 15:44	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 15:44	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5570**		19.8	2.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Antimony	**0.52**	**J**	0.99	0.14	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Arsenic	**3.3**		0.99	0.099	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Barium	**47.9**		2.0	0.14	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Beryllium	**0.28**	**J**	0.40	0.056	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Cadmium	**0.20**	**J**	0.99	0.11	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Calcium	**8980**		98.9	16.8	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Chromium	**14.3**		2.0	0.17	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Cobalt	**5.4**		2.0	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Copper	**48.8**		2.0	0.22	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Iron	**11900**		59.4	20.0	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Lead	**85.6**		0.59	0.20	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Magnesium	**2830**		98.9	10.1	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Manganese	**258**		4.0	0.40	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Nickel	**37.7**		2.0	0.19	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Potassium	**907**		98.9	11.1	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Selenium	**0.18**	**J**	1.2	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Silver	**0.12**	**J**	0.99	0.088	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Sodium	**296**		98.9	15.4	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.081**	**J**	0.40	0.041	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Vanadium	**24.8**		2.0	0.20	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1
Zinc	**61.6**		7.9	2.3	mg/Kg	☼	05/20/21 03:06	05/21/21 11:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.018	0.0043	mg/Kg	☼	05/17/21 04:05	05/17/21 09:37	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.9**	**HF**			SU			05/20/21 13:18	1
Corrosivity	**8.9**	**HF**			SU			05/20/21 13:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.1	U	2.1	0.91	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	**0.21**	**J**	0.25	0.14	mg/Kg	☼	05/19/21 18:17	05/20/21 14:45	1
Oil & Grease	**765**		647	216	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:00	1
Cr (III)	**14.3**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**7.3**		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	**92.7**		1.0	1.0	%			05/18/21 14:07	1
Total Solids	**92.9**		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	**2.7**		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.7**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.6**				S.U.			05/16/21 10:21	1
Temperature	**22.9**				Degrees C			05/16/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**28.1**		5.3	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	**77.0**		10.0	10.0	mg/L			05/17/21 09:05	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Methylnaphthalene	**0.032**	**J**	0.37	0.010	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Acenaphthene	**0.019**	**J**	0.37	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Acenaphthylene	**0.017**	**J**	0.37	0.0037	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Anthracene	**0.051**	**J**	0.37	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzo[a]anthracene	**0.18**		0.037	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzo[a]pyrene	**0.18**		0.037	0.0099	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzo[b]fluoranthene	**0.28**		0.037	0.0096	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzo[g,h,i]perylene	**0.13**	**J**	0.37	0.011	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Benzo[k]fluoranthene	**0.12**		0.037	0.0073	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Bis(2-ethylhexyl) phthalate	**0.052**	**J**	0.37	0.020	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Butyl benzyl phthalate	**0.024**	**J**	0.37	0.017	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Carbazole	**0.024**	**J**	0.37	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Chrysene	**0.21**	**J**	0.37	0.0063	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Dibenz(a,h)anthracene	**0.031**	**J**	0.037	0.016	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Dibenzofuran	**0.022**	**J**	0.37	0.0052	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Di-n-butyl phthalate	**0.019**	**J**	0.37	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Fluoranthene	**0.35**	**J**	0.37	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Fluorene	**0.014**	**J**	0.37	0.0050	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Indeno[1,2,3-cd]pyrene	**0.16**		0.037	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Naphthalene	**0.043**	**J**	0.37	0.0064	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Nitrobenzene	0.037	U	0.037	0.0089	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Phenanthrene	**0.19**	**J**	0.37	0.0065	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1
Pyrene	**0.33**	**J**	0.37	0.0092	mg/Kg	☼	05/15/21 14:23	05/16/21 00:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.9*	*A J*	*mg/Kg*	☼	*2.09*		*05/15/21 14:23*	*05/16/21 00:53*	*1*
Unknown	*0.46*	*J*	*mg/Kg*	☼	*10.56*		*05/15/21 14:23*	*05/16/21 00:53*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*10.87*		*05/15/21 14:23*	*05/16/21 00:53*	*1*
Unknown	*1.5*	*J*	*mg/Kg*	☼	*13.10*		*05/15/21 14:23*	*05/16/21 00:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 123*	*05/15/21 14:23*	*05/16/21 00:53*	*1*
2-Fluorobiphenyl	*58*		*14 - 103*	*05/15/21 14:23*	*05/16/21 00:53*	*1*
2-Fluorophenol (Surr)	*63*		*10 - 105*	*05/15/21 14:23*	*05/16/21 00:53*	*1*
Nitrobenzene-d5 (Surr)	*58*		*11 - 104*	*05/15/21 14:23*	*05/16/21 00:53*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*05/15/21 14:23*	*05/16/21 00:53*	*1*
Terphenyl-d14 (Surr)	*69*		*12 - 126*	*05/15/21 14:23*	*05/16/21 00:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/16/21 07:20	05/17/21 04:19	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/16/21 07:20	05/17/21 04:19	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/16/21 07:20	05/17/21 04:19	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/16/21 07:20	05/17/21 04:19	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/16/21 07:20	05/17/21 04:19	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/16/21 07:20	05/17/21 04:19	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/16/21 07:20	05/17/21 04:19	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/16/21 07:20	05/17/21 04:19	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/16/21 07:20	05/17/21 04:19	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/16/21 07:20	05/17/21 04:19	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/16/21 07:20	05/17/21 04:19	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/16/21 07:20	05/17/21 04:19	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid
Percent Solids: 89.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		33 - 150	05/16/21 07:20	05/17/21 04:19	1
2-Fluorobiphenyl	107		42 - 127	05/16/21 07:20	05/17/21 04:19	1
2-Fluorophenol (Surr)	51		18 - 72	05/16/21 07:20	05/17/21 04:19	1
Nitrobenzene-d5 (Surr)	102		46 - 137	05/16/21 07:20	05/17/21 04:19	1
Phenol-d5 (Surr)	32		10 - 50	05/16/21 07:20	05/17/21 04:19	1
Terphenyl-d14 (Surr)	109		39 - 150	05/16/21 07:20	05/17/21 04:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
4,4'-DDE	**0.0038**	**J**	0.0075	0.00089	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/15/21 14:31	05/17/21 08:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		10 - 150	05/15/21 14:31	05/17/21 08:12	1
DCB Decachlorobiphenyl	44		10 - 150	05/15/21 14:31	05/17/21 08:12	1
Tetrachloro-m-xylene	44		10 - 133	05/15/21 14:31	05/17/21 08:12	1
Tetrachloro-m-xylene	43		10 - 133	05/15/21 14:31	05/17/21 08:12	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 06:40	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:40	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 06:40	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 06:40	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 06:40	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:40	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		10 - 150	05/16/21 12:16	05/17/21 06:40	1
DCB Decachlorobiphenyl	75		10 - 150	05/16/21 12:16	05/17/21 06:40	1
Tetrachloro-m-xylene	86		10 - 150	05/16/21 12:16	05/17/21 06:40	1
Tetrachloro-m-xylene	93		10 - 150	05/16/21 12:16	05/17/21 06:40	1

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid
Percent Solids: 89.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1221	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1232	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1242	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1248	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1260	**0.078**		0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1
Polychlorinated biphenyls, Total	**0.078**		0.075	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*37 - 150*	*05/15/21 14:27*	*05/16/21 21:10*	*1*
DCB Decachlorobiphenyl	*59*		*37 - 150*	*05/15/21 14:27*	*05/16/21 21:10*	*1*
Tetrachloro-m-xylene	*47*	*	*54 - 150*	*05/15/21 14:27*	*05/16/21 21:10*	*1*
Tetrachloro-m-xylene	*58*		*54 - 150*	*05/15/21 14:27*	*05/16/21 21:10*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/16/21 22:34	05/18/21 12:41	1
2,4-D	0.037	U	0.037	0.014	mg/Kg	☼	05/16/21 22:34	05/18/21 12:41	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/16/21 22:34	05/18/21 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*	*05/16/21 22:34*	*05/18/21 12:41*	*1*
2,4-Dichlorophenylacetic acid	*127*		*65 - 150*	*05/16/21 22:34*	*05/18/21 12:41*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 14:40	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:40*	*1*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:40*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**320**		2.2	2.2	mg/Kg	☼	05/16/21 13:22	05/16/21 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*121*		*40 - 140*	*05/16/21 13:22*	*05/16/21 22:30*	*1*
1-Chlorooctadecane	*154*	*	*40 - 140*	*05/16/21 13:22*	*05/16/21 22:30*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 15:48	5
Barium	**0.69**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 15:48	5
Cadmium	**0.0040**	**J**	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 15:48	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 15:48	5
Lead	**0.30**		0.050	0.012	mg/L		05/18/21 03:02	05/18/21 15:48	5

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 15:48	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 15:48	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5140**		20.8	2.7	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Antimony	**0.31**	**J**	1.0	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Arsenic	**3.4**		1.0	0.10	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Barium	**41.4**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Beryllium	**0.28**	**J**	0.42	0.059	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Cadmium	**0.23**	**J**	1.0	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Calcium	**5730**		104	17.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Chromium	**14.6**		2.1	0.18	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Cobalt	**4.7**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Copper	**47.9**		2.1	0.23	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Iron	**11600**		62.3	21.0	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Lead	**71.6**		0.62	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Magnesium	**2750**		104	10.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Manganese	**218**		4.2	0.42	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Nickel	**12.7**		2.1	0.20	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Potassium	**860**		104	11.6	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Selenium	**0.24**	**J**	1.3	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Silver	1.0	U	1.0	0.092	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Sodium	**415**		104	16.2	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Thallium	**0.080**	**J**	0.42	0.043	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Vanadium	**19.0**		2.1	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1
Zinc	**67.9**		8.3	2.4	mg/Kg	☼	05/20/21 03:06	05/21/21 11:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.018	0.0041	mg/Kg	☼	05/17/21 04:05	05/17/21 09:39	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**	**HF**			SU			05/20/21 13:19	1
Corrosivity	**8.3**	**HF**			SU			05/20/21 13:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.95	mg/Kg	☼	05/21/21 17:42	05/24/21 12:53	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/19/21 18:17	05/20/21 14:46	1
Oil & Grease	**1890**		680	227	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:08	1
Cr (III)	**14.6**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client Sample ID: WC-12 (0-5)
Lab Sample ID: 460-234327-3

Date Collected: 05/13/21 12:45
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 89.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.8		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	89.2		1.0	1.0	%			05/18/21 14:07	1
Total Solids	91.9		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	2.3		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.4				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.5				S.U.			05/16/21 10:21	1
Temperature	22.9				Degrees C			05/16/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.052	J	0.10	0.050	mg/L			05/17/21 17:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	12.8		10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	100		10.0	10.0	mg/L			05/17/21 09:05	1

Client Sample ID: WC-19A (0-2)
Lab Sample ID: 460-234327-4

Date Collected: 05/13/21 08:35
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
2-Butanone (MEK)	0.0066	U *	0.0066	0.00049	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
2-Hexanone	0.0066	U *	0.0066	0.0023	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
4-Methyl-2-pentanone (MIBK)	0.0066	U *	0.0066	0.0021	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Acetone	0.0080	U	0.0080	0.0076	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1

Client Sample ID: WC-19A (0-2)
Date Collected: 05/13/21 08:35
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-4
Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	05/14/21 20:58	05/16/21 21:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/14/21 20:58*	*05/16/21 21:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/14/21 20:58*	*05/16/21 21:50*	*1*
4-Bromofluorobenzene	*111*		*70 - 139*	*05/14/21 20:58*	*05/16/21 21:50*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*05/14/21 20:58*	*05/16/21 21:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/14/21 20:58*	*05/16/21 21:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 21:31	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 21:31	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 21:31	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 21:31	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 21:31	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/16/21 21:31	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 21:31	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 21:31	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 21:31	10

Client Sample ID: WC-19A (0-2)
Lab Sample ID: 460-234327-4

Date Collected: 05/13/21 08:35
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 21:31	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 21:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*05/16/21 21:31*	*10*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/16/21 21:31*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*05/16/21 21:31*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/16/21 21:31*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.5**		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	**94.5**		1.0	1.0	%			05/18/21 14:07	1

Client Sample ID: WC-20A (0-2)
Lab Sample ID: 460-234327-5

Date Collected: 05/13/21 08:45
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
2-Butanone (MEK)	0.0059	U *	0.0059	0.00043	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
2-Hexanone	0.0059	U *	0.0059	0.0020	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
4-Methyl-2-pentanone (MIBK)	0.0059	U *	0.0059	0.0018	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Acetone	0.0070	U	0.0070	0.0067	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1

Client Sample ID: WC-20A (0-2)
Date Collected: 05/13/21 08:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-5
Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Methyl acetate	0.0059	U	0.0059	0.0050	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	05/14/21 20:59	05/16/21 22:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/14/21 20:59*	*05/16/21 22:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*05/14/21 20:59*	*05/16/21 22:14*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*05/14/21 20:59*	*05/16/21 22:14*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*05/14/21 20:59*	*05/16/21 22:14*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*05/14/21 20:59*	*05/16/21 22:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 21:57	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 21:57	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 21:57	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 21:57	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 21:57	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/16/21 21:57	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 21:57	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 21:57	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 21:57	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 21:57	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 21:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/16/21 21:57*	*10*
4-Bromofluorobenzene	*102*		*76 - 120*		*05/16/21 21:57*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*05/16/21 21:57*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/16/21 21:57*	*10*

Client Sample ID: WC-20A (0-2)
Lab Sample ID: 460-234327-5

Date Collected: 05/13/21 08:45
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 93.2

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.8		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	93.2		1.0	1.0	%			05/18/21 14:07	1

Client Sample ID: WC-12D (0-2)
Lab Sample ID: 460-234327-6

Date Collected: 05/13/21 10:55
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00048	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00062	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00057	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
2-Butanone (MEK)	0.0068	U *	0.0068	0.00050	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
2-Hexanone	0.0068	U *	0.0068	0.0023	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
4-Methyl-2-pentanone (MIBK)	0.0068	U *	0.0068	0.0021	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Benzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Bromoform	0.0014	U	0.0014	0.00058	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Bromomethane	0.0027	U	0.0027	0.0014	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Carbon tetrachloride	0.0014	U	0.0014	0.00052	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chlorobromomethane	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chlorodibromomethane	0.0014	U	0.0014	0.00026	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chloroethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Chloromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00048	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Ethylene Dibromide	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Methyl acetate	0.0068	U	0.0068	0.0058	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00069	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Methylcyclohexane	0.0014	U	0.0014	0.00068	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Methylene Chloride	0.0027	U	0.0027	0.0016	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-12D (0-2)

Date Collected: 05/13/21 10:55
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-6

Matrix: Solid
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**0.00025**	**J**	0.0014	0.00024	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
o-Xylene	0.0014	U	0.0014	0.00026	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Tetrachloroethene	0.0014	U	0.0014	0.00041	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Trichloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00055	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1
Vinyl chloride	0.0014	U	0.0014	0.00074	mg/Kg	☼	05/14/21 21:00	05/16/21 22:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/14/21 21:00*	*05/16/21 22:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*05/14/21 21:00*	*05/16/21 22:38*	*1*
4-Bromofluorobenzene	*114*		*70 - 139*	*05/14/21 21:00*	*05/16/21 22:38*	*1*
Dibromofluoromethane (Surr)	*89*		*48 - 150*	*05/14/21 21:00*	*05/16/21 22:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/14/21 21:00*	*05/16/21 22:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 22:23	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 22:23	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 22:23	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 22:23	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 22:23	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/16/21 22:23	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 22:23	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 22:23	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 22:23	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 22:23	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 22:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*05/16/21 22:23*	*10*
4-Bromofluorobenzene	*113*		*76 - 120*		*05/16/21 22:23*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*05/16/21 22:23*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/16/21 22:23*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	**92.3**		1.0	1.0	%			05/18/21 14:07	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-12C (6-8)
Date Collected: 05/13/21 10:50
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-7
Matrix: Solid
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
2-Butanone (MEK)	0.0067	U *	0.0067	0.00049	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
2-Hexanone	0.0067	U *	0.0067	0.0023	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
4-Methyl-2-pentanone (MIBK)	0.0067	U *	0.0067	0.0021	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Acetone	0.0080	U	0.0080	0.0076	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Benzene	**0.0014**		0.0013	0.00034	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Methyl acetate	0.0067	U	0.0067	0.0057	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Tetrachloroethene	**0.0011**	**J**	0.0013	0.00041	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1

Client Sample ID: WC-12C (6-8)
Lab Sample ID: 460-234327-7
Date Collected: 05/13/21 10:50
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	05/14/21 21:01	05/16/21 23:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/14/21 21:01*	*05/16/21 23:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*05/14/21 21:01*	*05/16/21 23:03*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*05/14/21 21:01*	*05/16/21 23:03*	*1*
Dibromofluoromethane (Surr)	*85*		*48 - 150*	*05/14/21 21:01*	*05/16/21 23:03*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*05/14/21 21:01*	*05/16/21 23:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 22:49	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 22:49	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 22:49	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 22:49	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 22:49	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/16/21 22:49	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 22:49	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 22:49	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 22:49	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 22:49	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 22:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 123*		*05/16/21 22:49*	*10*
4-Bromofluorobenzene	*115*		*76 - 120*		*05/16/21 22:49*	*10*
Dibromofluoromethane (Surr)	*114*		*77 - 124*		*05/16/21 22:49*	*10*
Toluene-d8 (Surr)	*114*		*80 - 120*		*05/16/21 22:49*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	**92.3**		1.0	1.0	%			05/18/21 14:07	1

Client Sample ID: WC-12_WC-13 (5-10)
Lab Sample ID: 460-234327-8
Date Collected: 05/13/21 11:55
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 91.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-12_WC-13 (5-10)
Date Collected: 05/13/21 11:55
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-8
Matrix: Solid
Percent Solids: 91.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Methylnaphthalene	**0.022**	**J**	0.36	0.010	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Acenaphthene	**0.030**	**J**	0.36	0.010	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Acenaphthylene	**0.016**	**J**	0.36	0.0036	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Anthracene	**0.073**	**J**	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzo[a]anthracene	**0.20**		0.036	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzo[a]pyrene	**0.19**		0.036	0.0096	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzo[b]fluoranthene	**0.24**		0.036	0.0093	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzo[g,h,i]perylene	**0.11**	**J**	0.36	0.011	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Benzo[k]fluoranthene	**0.098**		0.036	0.0071	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Bis(2-ethylhexyl) phthalate	**0.26**	**J**	0.36	0.019	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Carbazole	**0.026**	**J**	0.36	0.014	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Chrysene	**0.23**	**J**	0.36	0.0061	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Dibenz(a,h)anthracene	**0.040**		0.036	0.016	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Dibenzofuran	**0.024**	**J**	0.36	0.0051	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Fluoranthene	**0.46**		0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Fluorene	**0.031**	**J**	0.36	0.0049	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1

Client Sample ID: WC-12_WC-13 (5-10)
Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55
Matrix: Solid

Date Received: 05/13/21 18:30
Percent Solids: 91.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.036	0.014	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Naphthalene	**0.029**	**J**	0.36	0.0062	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Phenanthrene	**0.31**	**J**	0.36	0.0063	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Phenol	**0.014**	**J**	0.36	0.013	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1
Pyrene	**0.42**		0.36	0.0090	mg/Kg	☼	05/15/21 14:23	05/17/21 03:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*12*	*A J*	*mg/Kg*	☼	*2.70*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
Z-12-Pentacosene	*0.34*	*J N*	*mg/Kg*	☼	*11.05*	*1000131-09-4*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Chrysene, 6-methyl-	*0.31*	*J N*	*mg/Kg*	☼	*11.67*	*1705-85-7*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Docosane	*0.67*	*J N*	*mg/Kg*	☼	*12.30*	*629-97-0*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Heneicosane	*0.48*	*J N*	*mg/Kg*	☼	*12.76*	*629-94-7*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*0.55*	*J*	*mg/Kg*	☼	*13.18*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
28-Nor-17.alpha.(H)-hopane	*1.0*	*J N*	*mg/Kg*	☼	*13.82*	*53584-60-4*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*1.3*	*J*	*mg/Kg*	☼	*14.25*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*14.81*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*15.07*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*1.2*	*J*	*mg/Kg*	☼	*16.17*		*05/15/21 14:23*	*05/17/21 03:53*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*17.11*		*05/15/21 14:23*	*05/17/21 03:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*28*		*10 - 123*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
2-Fluorobiphenyl	*55*		*14 - 103*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
2-Fluorophenol (Surr)	*47*		*10 - 105*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Nitrobenzene-d5 (Surr)	*52*		*11 - 104*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Phenol-d5 (Surr)	*50*		*15 - 100*	*05/15/21 14:23*	*05/17/21 03:53*	*1*
Terphenyl-d14 (Surr)	*61*		*12 - 126*	*05/15/21 14:23*	*05/17/21 03:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/16/21 07:20	05/17/21 04:41	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/16/21 07:20	05/17/21 04:41	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/16/21 07:20	05/17/21 04:41	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/16/21 07:20	05/17/21 04:41	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/16/21 07:20	05/17/21 04:41	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/16/21 07:20	05/17/21 04:41	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/16/21 07:20	05/17/21 04:41	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/16/21 07:20	05/17/21 04:41	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/16/21 07:20	05/17/21 04:41	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/16/21 07:20	05/17/21 04:41	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/16/21 07:20	05/17/21 04:41	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/16/21 07:20	05/17/21 04:41	1

Client Sample ID: WC-12_WC-13 (5-10)
Date Collected: 05/13/21 11:55
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-8
Matrix: Solid
Percent Solids: 91.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*33 - 150*	*05/16/21 07:20*	*05/17/21 04:41*	*1*
2-Fluorobiphenyl	*112*		*42 - 127*	*05/16/21 07:20*	*05/17/21 04:41*	*1*
2-Fluorophenol (Surr)	*59*		*18 - 72*	*05/16/21 07:20*	*05/17/21 04:41*	*1*
Nitrobenzene-d5 (Surr)	*101*		*46 - 137*	*05/16/21 07:20*	*05/17/21 04:41*	*1*
Phenol-d5 (Surr)	*37*		*10 - 50*	*05/16/21 07:20*	*05/17/21 04:41*	*1*
Terphenyl-d14 (Surr)	*117*		*39 - 150*	*05/16/21 07:20*	*05/17/21 04:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
4,4'-DDE	**0.0023**	**J**	0.0073	0.00086	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	05/15/21 14:31	05/17/21 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*		*10 - 150*	*05/15/21 14:31*	*05/17/21 08:24*	*1*
DCB Decachlorobiphenyl	*41*		*10 - 150*	*05/15/21 14:31*	*05/17/21 08:24*	*1*
Tetrachloro-m-xylene	*46*		*10 - 133*	*05/15/21 14:31*	*05/17/21 08:24*	*1*
Tetrachloro-m-xylene	*44*		*10 - 133*	*05/15/21 14:31*	*05/17/21 08:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 06:54	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:54	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 06:54	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 06:54	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 06:54	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 06:54	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:54*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:54*	*1*
Tetrachloro-m-xylene	*95*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:54*	*1*
Tetrachloro-m-xylene	*98*		*10 - 150*	*05/16/21 12:16*	*05/17/21 06:54*	*1*

Client Sample ID: WC-12_WC-13 (5-10)
Date Collected: 05/13/21 11:55
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-8
Matrix: Solid
Percent Solids: 91.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1221	0.073	U	0.073	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1232	0.073	U	0.073	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1242	0.073	U	0.073	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1248	0.073	U	0.073	0.0097	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1260	0.073	U	0.073	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor-1262	0.073	U	0.073	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Aroclor 1268	0.073	U	0.073	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.010	mg/Kg	☼	05/15/21 14:27	05/16/21 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*37 - 150*	*05/15/21 14:27*	*05/16/21 21:30*	*1*
DCB Decachlorobiphenyl	*80*		*37 - 150*	*05/15/21 14:27*	*05/16/21 21:30*	*1*
Tetrachloro-m-xylene	*69*		*54 - 150*	*05/15/21 14:27*	*05/16/21 21:30*	*1*
Tetrachloro-m-xylene	*80*		*54 - 150*	*05/15/21 14:27*	*05/16/21 21:30*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	05/16/21 22:34	05/18/21 12:55	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/16/21 22:34	05/18/21 12:55	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	05/16/21 22:34	05/18/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*	*05/16/21 22:34*	*05/18/21 12:55*	*1*
2,4-Dichlorophenylacetic acid	*123*		*65 - 150*	*05/16/21 22:34*	*05/18/21 12:55*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 14:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:54*	*1*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/16/21 22:30*	*05/18/21 14:54*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**140**		2.2	2.2	mg/Kg	☼	05/16/21 13:22	05/16/21 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*133*		*40 - 140*	*05/16/21 13:22*	*05/16/21 22:44*	*1*
1-Chlorooctadecane	*150*	*	*40 - 140*	*05/16/21 13:22*	*05/16/21 22:44*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 16:00	5
Barium	**0.39**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 16:00	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 16:00	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 16:00	5
Lead	**0.29**		0.050	0.012	mg/L		05/18/21 03:02	05/18/21 16:00	5

Client Sample ID: WC-12_WC-13 (5-10)
Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55
Matrix: Solid

Date Received: 05/13/21 18:30
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 16:00	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 16:00	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5060**		21.2	2.8	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Antimony	1.1	U	1.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Arsenic	**3.2**		1.1	0.11	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Barium	**37.5**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Beryllium	**0.27**	**J**	0.42	0.060	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Calcium	**44100**		106	18.0	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Chromium	**12.5**		2.1	0.18	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Cobalt	**3.9**		2.1	0.16	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Copper	**21.5**		2.1	0.23	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Iron	**12500**		63.6	21.4	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Lead	**30.8**		0.64	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Magnesium	**14400**		106	10.8	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Manganese	**240**		4.2	0.43	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Nickel	**11.1**		2.1	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Potassium	**879**		106	11.9	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Silver	1.1	U	1.1	0.094	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Sodium	**420**		106	16.5	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Thallium	**0.056**	**J**	0.42	0.043	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Vanadium	**30.4**		2.1	0.22	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1
Zinc	**31.6**		8.5	2.4	mg/Kg	☼	05/20/21 03:06	05/21/21 12:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**		0.018	0.0043	mg/Kg	☼	05/17/21 04:05	05/17/21 09:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**11.0**	**HF**			SU			05/20/21 13:23	1
Corrosivity	**11.0**	**HF**			SU			05/20/21 13:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.92	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	0.23	U	0.23	0.12	mg/Kg	☼	05/19/21 18:17	05/20/21 14:47	1
Oil & Grease	**6700**		649	216	mg/Kg	☼	05/18/21 19:45	05/19/21 12:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:08	1
Cr (III)	**12.5**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client Sample ID: WC-12_WC-13 (5-10)
Lab Sample ID: 460-234327-8
Date Collected: 05/13/21 11:55
Matrix: Solid
Date Received: 05/13/21 18:30
Percent Solids: 91.6

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		1.0	1.0	%			05/18/21 14:07	1
Percent Solids	91.6		1.0	1.0	%			05/18/21 14:07	1
Total Solids	91.3		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	3.0		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.4				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7				S.U.			05/16/21 10:21	1
Temperature	22.9				Degrees C			05/16/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.14		0.10	0.050	mg/L			05/17/21 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	140		10.0	10.0	mg/L			05/17/21 09:05	1

Client Sample ID: WC-13B (0-2)
Lab Sample ID: 460-234446-1
Date Collected: 05/14/21 08:55
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00064	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00051	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
2-Hexanone	0.0070	U *	0.0070	0.0024	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
4-Methyl-2-pentanone (MIBK)	0.0070	U *	0.0070	0.0022	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Bromoform	0.0014	U	0.0014	0.00059	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1

Client Sample ID: WC-13B (0-2)
Date Collected: 05/14/21 08:55
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-1
Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	05/15/21 15:06	05/17/21 16:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/15/21 15:06*	*05/17/21 16:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*05/15/21 15:06*	*05/17/21 16:45*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/15/21 15:06*	*05/17/21 16:45*	*1*
Dibromofluoromethane (Surr)	*98*		*48 - 150*	*05/15/21 15:06*	*05/17/21 16:45*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*05/15/21 15:06*	*05/17/21 16:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 05:31	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 05:31	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 05:31	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 05:31	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 05:31	10
Carbon tetrachloride	**0.0021**	**J**	0.010	0.0021	mg/L			05/20/21 05:31	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 05:31	10
Chloroform	**0.0077**	**J**	0.010	0.0033	mg/L			05/20/21 05:31	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 05:31	10

Client Sample ID: WC-13B (0-2)
Lab Sample ID: 460-234446-1

Date Collected: 05/14/21 08:55
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 05:31	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 05:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 123*		*05/20/21 05:31*	*10*
4-Bromofluorobenzene	*96*		*76 - 120*		*05/20/21 05:31*	*10*
Dibromofluoromethane (Surr)	*112*		*77 - 124*		*05/20/21 05:31*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/20/21 05:31*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		1.0	1.0	%			05/18/21 13:16	1
Percent Solids	**94.3**		1.0	1.0	%			05/18/21 13:16	1

Client Sample ID: WC-13 (0-5)
Lab Sample ID: 460-234446-2

Date Collected: 05/14/21 08:50
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Methylnaphthalene	**0.036**	**J**	0.37	0.010	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Acenaphthene	**0.019**	**J**	0.37	0.011	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Acenaphthylene	**0.041**	**J**	0.37	0.0037	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1

Client Sample ID: WC-13 (0-5)
Lab Sample ID: 460-234446-2
Date Collected: 05/14/21 08:50
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Anthracene	**0.077**	**J**	0.37	0.011	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzo[a]anthracene	**0.35**		0.037	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzo[a]pyrene	**0.35**		0.037	0.0099	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzo[b]fluoranthene	**0.50**		0.037	0.0096	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzo[g,h,i]perylene	**0.18**	**J**	0.37	0.011	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Benzo[k]fluoranthene	**0.17**		0.037	0.0073	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Bis(2-ethylhexyl) phthalate	**0.071**	**J**	0.37	0.020	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Carbazole	**0.023**	**J**	0.37	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Chrysene	**0.33**	**J**	0.37	0.0063	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Dibenz(a,h)anthracene	**0.045**		0.037	0.016	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Dibenzofuran	**0.029**	**J**	0.37	0.0052	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Fluoranthene	**0.53**		0.37	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Fluorene	**0.031**	**J**	0.37	0.0050	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.037	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Naphthalene	**0.043**	**J**	0.37	0.0064	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Nitrobenzene	0.037	U	0.037	0.0089	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Phenanthrene	**0.29**	**J**	0.37	0.0065	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1
Pyrene	**0.51**		0.37	0.0092	mg/Kg	☼	05/16/21 11:35	05/17/21 02:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.7*	*A J*	*mg/Kg*	☼	*2.85*		*05/16/21 11:35*	*05/17/21 02:10*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*12.24*		*05/16/21 11:35*	*05/17/21 02:10*	*1*
Unknown	*0.33*	*J*	*mg/Kg*	☼	*14.48*		*05/16/21 11:35*	*05/17/21 02:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*10 - 123*	*05/16/21 11:35*	*05/17/21 02:10*	*1*
2-Fluorobiphenyl	*59*		*14 - 103*	*05/16/21 11:35*	*05/17/21 02:10*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 105*	*05/16/21 11:35*	*05/17/21 02:10*	*1*
Nitrobenzene-d5 (Surr)	*56*		*11 - 104*	*05/16/21 11:35*	*05/17/21 02:10*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*05/16/21 11:35*	*05/17/21 02:10*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-13 (0-5)
Date Collected: 05/14/21 08:50
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-2
Matrix: Solid
Percent Solids: 89.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*59*		*12 - 126*	*05/16/21 11:35*	*05/17/21 02:10*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/17/21 10:20	05/18/21 02:56	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/17/21 10:20	05/18/21 02:56	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/17/21 10:20	05/18/21 02:56	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/17/21 10:20	05/18/21 02:56	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/17/21 10:20	05/18/21 02:56	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/17/21 10:20	05/18/21 02:56	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/17/21 10:20	05/18/21 02:56	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/17/21 10:20	05/18/21 02:56	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/17/21 10:20	05/18/21 02:56	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/17/21 10:20	05/18/21 02:56	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/17/21 10:20	05/18/21 02:56	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/17/21 10:20	05/18/21 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*57*		*33 - 150*	*05/17/21 10:20*	*05/18/21 02:56*	*1*
2-Fluorobiphenyl	*66*		*42 - 127*	*05/17/21 10:20*	*05/18/21 02:56*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*05/17/21 10:20*	*05/18/21 02:56*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*05/17/21 10:20*	*05/18/21 02:56*	*1*
Phenol-d5 (Surr)	*35*		*10 - 50*	*05/17/21 10:20*	*05/18/21 02:56*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 150*	*05/17/21 10:20*	*05/18/21 02:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
4,4'-DDE	**0.0029**	**J**	0.0075	0.00089	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
4,4'-DDT	**0.0024**	**J p**	0.0075	0.0014	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Dieldrin	**0.0022**		0.0022	0.00098	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/16/21 13:32	05/17/21 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*58*		*10 - 150*	*05/16/21 13:32*	*05/17/21 14:14*	*1*

Client Sample ID: WC-13 (0-5)
Date Collected: 05/14/21 08:50
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-2
Matrix: Solid
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*05/16/21 13:32*	*05/17/21 14:14*	*1*
Tetrachloro-m-xylene	*75*		*10 - 133*	*05/16/21 13:32*	*05/17/21 14:14*	*1*
Tetrachloro-m-xylene	*74*		*10 - 133*	*05/16/21 13:32*	*05/17/21 14:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/17/21 10:16	05/18/21 03:34	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:34	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/17/21 10:16	05/18/21 03:34	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/17/21 10:16	05/18/21 03:34	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/17/21 10:16	05/18/21 03:34	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:34	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/17/21 10:16	05/18/21 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:34*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:34*	*1*
Tetrachloro-m-xylene	*43*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:34*	*1*
Tetrachloro-m-xylene	*45*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1221	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1232	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1242	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1248	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1260	**0.062**	**J**	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1
Polychlorinated biphenyls, Total	**0.062**	**J**	0.075	0.010	mg/Kg	☼	05/16/21 13:30	05/17/21 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*05/16/21 13:30*	*05/17/21 16:47*	*1*
DCB Decachlorobiphenyl	*89*		*37 - 150*	*05/16/21 13:30*	*05/17/21 16:47*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*05/16/21 13:30*	*05/17/21 16:47*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*05/16/21 13:30*	*05/17/21 16:47*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/16/21 22:34	05/18/21 13:22	1
2,4-D	0.037	U	0.037	0.014	mg/Kg	☼	05/16/21 22:34	05/18/21 13:22	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/16/21 22:34	05/18/21 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*98*		*65 - 150*	*05/16/21 22:34*	*05/18/21 13:22*	*1*
2,4-Dichlorophenylacetic acid	*125*		*65 - 150*	*05/16/21 22:34*	*05/18/21 13:22*	*1*

Client Sample ID: WC-13 (0-5)
Date Collected: 05/14/21 08:50
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-2
Matrix: Solid
Percent Solids: 89.2

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/17/21 22:55	05/18/21 16:43	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/17/21 22:55	05/18/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*05/17/21 22:55*	*05/18/21 16:43*	*1*
2,4-Dichlorophenylacetic acid	*72*		*28 - 150*	*05/17/21 22:55*	*05/18/21 16:43*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1100**		22	22	mg/Kg	☼	05/17/21 10:43	05/18/21 16:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*40 - 140*	*05/17/21 10:43*	*05/18/21 16:26*	*10*
1-Chlorooctadecane	*107*		*40 - 140*	*05/17/21 10:43*	*05/18/21 16:26*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 16:21	5
Barium	**0.44**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 16:21	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 16:21	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 16:21	5
Lead	0.050	U	0.050	0.012	mg/L		05/18/21 03:02	05/18/21 16:21	5
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 16:21	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 16:21	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5910**		21.4	2.8	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Antimony	**0.39**	**J**	1.1	0.16	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Arsenic	**3.5**		1.1	0.11	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Barium	**49.9**		2.1	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Beryllium	**0.33**	**J**	0.43	0.061	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Cadmium	**0.16**	**J**	1.1	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Calcium	**15900**		107	18.2	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Chromium	**15.1**		2.1	0.19	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Cobalt	**6.4**		2.1	0.16	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Copper	**93.9**		2.1	0.23	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Iron	**14900**		64.1	21.6	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Lead	**85.9**		0.64	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Magnesium	**6950**		107	10.9	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Manganese	**316**		4.3	0.43	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Nickel	**13.7**		2.1	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Potassium	**1370**		107	12.0	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Selenium	**0.20**	**J**	1.3	0.13	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Silver	1.1	U	1.1	0.095	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Sodium	**259**		107	16.7	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Thallium	**0.097**	**J**	0.43	0.044	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Vanadium	**22.3**		2.1	0.22	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1
Zinc	**64.5**		8.5	2.4	mg/Kg	☼	05/20/21 03:06	05/21/21 12:31	1

Client Sample ID: WC-13 (0-5)
Lab Sample ID: 460-234446-2
Date Collected: 05/14/21 08:50
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 89.2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.018	0.0043	mg/Kg	☼	05/18/21 03:32	05/18/21 08:05	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.4**	**HF**			SU			05/20/21 13:25	1
Corrosivity	**10.4**	**HF**			SU			05/20/21 13:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.2	U	2.2	0.95	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	**0.24**	**J**	0.25	0.14	mg/Kg	☼	05/19/21 18:51	05/20/21 15:26	1
Oil & Grease	**4170**		665	222	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:08	1
Cr (III)	**15.1**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**10.8**		1.0	1.0	%			05/18/21 13:16	1
Percent Solids	**89.2**		1.0	1.0	%			05/18/21 13:16	1
Total Solids	**87.7**		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	**2.8**		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.2**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.5**				S.U.			05/17/21 10:21	1
Temperature	**22.9**				Degrees C			05/17/21 10:21	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 17:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**11.5**		10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	**86.0**		10.0	10.0	mg/L			05/18/21 15:30	1

Client Sample ID: CA-1C (0-2)
Lab Sample ID: 460-234446-3
Date Collected: 05/14/21 11:40
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1

Client Sample ID: CA-1C (0-2)
Date Collected: 05/14/21 11:40
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-3
Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00068	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00062	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
2-Butanone (MEK)	0.0074	U	0.0074	0.00054	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
2-Hexanone	0.0074	U *	0.0074	0.0025	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
4-Methyl-2-pentanone (MIBK)	0.0074	U *	0.0074	0.0023	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Acetone	0.0089	U	0.0089	0.0084	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Benzene	0.0015	U	0.0015	0.00038	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Bromoform	0.0015	U	0.0015	0.00063	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Carbon disulfide	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Carbon tetrachloride	0.0015	U	0.0015	0.00057	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chloroethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chloroform	0.0015	U	0.0015	0.0014	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Chloromethane	0.0015	U	0.0015	0.00064	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00053	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Dichlorobromomethane	0.0015	U	0.0015	0.00038	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00050	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Ethylbenzene	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Isopropylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Methyl acetate	0.0074	U	0.0074	0.0064	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00076	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Methylcyclohexane	0.0015	U	0.0015	0.00074	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
m-Xylene & p-Xylene	**0.00031**	**J**	0.0015	0.00026	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Styrene	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Tetrachloroethene	0.0015	U	0.0015	0.00045	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Trichloroethene	**0.0017**		0.0015	0.00047	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00060	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1
Vinyl chloride	0.0015	U	0.0015	0.00081	mg/Kg	☼	05/15/21 15:08	05/17/21 17:09	1

Client Sample ID: CA-1C (0-2)
Lab Sample ID: 460-234446-3

Date Collected: 05/14/21 11:40
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 92.7

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			05/15/21 15:08	05/17/21 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 145	05/15/21 15:08	05/17/21 17:09	1
4-Bromofluorobenzene	108		70 - 139	05/15/21 15:08	05/17/21 17:09	1
Dibromofluoromethane (Surr)	95		48 - 150	05/15/21 15:08	05/17/21 17:09	1
Toluene-d8 (Surr)	99		80 - 120	05/15/21 15:08	05/17/21 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 05:56	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 05:56	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 05:56	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 05:56	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 05:56	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 05:56	10
Chlorobenzene	**0.013**		0.010	0.0038	mg/L			05/20/21 05:56	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 05:56	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 05:56	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 05:56	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 05:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 123		05/20/21 05:56	10
4-Bromofluorobenzene	99		76 - 120		05/20/21 05:56	10
Dibromofluoromethane (Surr)	116		77 - 124		05/20/21 05:56	10
Toluene-d8 (Surr)	100		80 - 120		05/20/21 05:56	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		1.0	1.0	%			05/18/21 13:16	1
Percent Solids	**92.7**		1.0	1.0	%			05/18/21 13:16	1

Client Sample ID: CA-1 (0-2)
Lab Sample ID: 460-234446-4

Date Collected: 05/14/21 11:30
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: CA-1 (0-2)
Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2-Methylnaphthalene	**0.033**	**J**	0.35	0.0098	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Acenaphthene	**0.021**	**J**	0.35	0.010	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Acenaphthylene	**0.022**	**J**	0.35	0.0035	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Anthracene	**0.050**	**J**	0.35	0.011	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzo[a]anthracene	**0.16**		0.035	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzo[a]pyrene	**0.18**		0.035	0.0093	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzo[b]fluoranthene	**0.27**		0.035	0.0091	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzo[g,h,i]perylene	**0.12**	**J**	0.35	0.010	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Benzo[k]fluoranthene	**0.095**		0.035	0.0069	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Bis(2-ethylhexyl) phthalate	**0.035**	**J**	0.35	0.019	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Carbazole	**0.022**	**J**	0.35	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Chrysene	**0.19**	**J**	0.35	0.0059	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Dibenz(a,h)anthracene	**0.031**	**J**	0.035	0.015	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Dibenzofuran	**0.026**	**J**	0.35	0.0049	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Di-n-butyl phthalate	**0.041**	**J**	0.35	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Fluoranthene	**0.28**	**J**	0.35	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Fluorene	**0.023**	**J**	0.35	0.0047	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.035	0.014	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Naphthalene	**0.039**	**J**	0.35	0.0060	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1

Client Sample ID: CA-1 (0-2)
Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Phenanthrene	**0.20**	**J**	0.35	0.0062	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1
Pyrene	**0.28**	**J**	0.35	0.0087	mg/Kg	☼	05/16/21 11:35	05/17/21 01:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.1*	*A J*	*mg/Kg*	☼	*2.84*		*05/16/21 11:35*	*05/17/21 01:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 123*	*05/16/21 11:35*	*05/17/21 01:46*	*1*
2-Fluorobiphenyl	*67*		*14 - 103*	*05/16/21 11:35*	*05/17/21 01:46*	*1*
2-Fluorophenol (Surr)	*63*		*10 - 105*	*05/16/21 11:35*	*05/17/21 01:46*	*1*
Nitrobenzene-d5 (Surr)	*59*		*11 - 104*	*05/16/21 11:35*	*05/17/21 01:46*	*1*
Phenol-d5 (Surr)	*65*		*15 - 100*	*05/16/21 11:35*	*05/17/21 01:46*	*1*
Terphenyl-d14 (Surr)	*76*		*12 - 126*	*05/16/21 11:35*	*05/17/21 01:46*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/17/21 10:20	05/18/21 03:17	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/17/21 10:20	05/18/21 03:17	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/17/21 10:20	05/18/21 03:17	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/17/21 10:20	05/18/21 03:17	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/17/21 10:20	05/18/21 03:17	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/17/21 10:20	05/18/21 03:17	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/17/21 10:20	05/18/21 03:17	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/17/21 10:20	05/18/21 03:17	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/17/21 10:20	05/18/21 03:17	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/17/21 10:20	05/18/21 03:17	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/17/21 10:20	05/18/21 03:17	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/17/21 10:20	05/18/21 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*33 - 150*	*05/17/21 10:20*	*05/18/21 03:17*	*1*
2-Fluorobiphenyl	*78*		*42 - 127*	*05/17/21 10:20*	*05/18/21 03:17*	*1*
2-Fluorophenol (Surr)	*65*		*18 - 72*	*05/17/21 10:20*	*05/18/21 03:17*	*1*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*	*05/17/21 10:20*	*05/18/21 03:17*	*1*
Phenol-d5 (Surr)	*43*		*10 - 50*	*05/17/21 10:20*	*05/18/21 03:17*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*05/17/21 10:20*	*05/18/21 03:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: CA-1 (0-2)
Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4
Matrix: Solid
Percent Solids: 94.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/16/21 13:32	05/17/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*05/16/21 13:32*	*05/17/21 14:26*	*1*
DCB Decachlorobiphenyl	*52*		*10 - 150*	*05/16/21 13:32*	*05/17/21 14:26*	*1*
Tetrachloro-m-xylene	*60*		*10 - 133*	*05/16/21 13:32*	*05/17/21 14:26*	*1*
Tetrachloro-m-xylene	*60*		*10 - 133*	*05/16/21 13:32*	*05/17/21 14:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/17/21 10:16	05/18/21 03:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/17/21 10:16	05/18/21 03:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/17/21 10:16	05/18/21 03:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/17/21 10:16	05/18/21 03:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/17/21 10:16	05/18/21 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:46*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:46*	*1*
Tetrachloro-m-xylene	*47*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:46*	*1*
Tetrachloro-m-xylene	*48*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1254	**0.30**		0.071	0.0097	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1
Polychlorinated biphenyls, Total	**0.30**		0.071	0.0097	mg/Kg	☼	05/16/21 13:30	05/17/21 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*37 - 150*	*05/16/21 13:30*	*05/17/21 17:04*	*1*

Client Sample ID: CA-1 (0-2)
Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4
Matrix: Solid
Percent Solids: 94.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*37 - 150*	*05/16/21 13:30*	*05/17/21 17:04*	*1*
Tetrachloro-m-xylene	*80*		*54 - 150*	*05/16/21 13:30*	*05/17/21 17:04*	*1*
Tetrachloro-m-xylene	*83*		*54 - 150*	*05/16/21 13:30*	*05/17/21 17:04*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/16/21 22:34	05/18/21 13:35	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/16/21 22:34	05/18/21 13:35	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/16/21 22:34	05/18/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*	*05/16/21 22:34*	*05/18/21 13:35*	*1*
2,4-Dichlorophenylacetic acid	*125*		*65 - 150*	*05/16/21 22:34*	*05/18/21 13:35*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/17/21 22:55	05/18/21 16:56	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/17/21 22:55	05/18/21 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/17/21 22:55*	*05/18/21 16:56*	*1*
2,4-Dichlorophenylacetic acid	*70*		*28 - 150*	*05/17/21 22:55*	*05/18/21 16:56*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**330**		2.1	2.1	mg/Kg	☼	05/17/21 10:43	05/18/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*40 - 140*	*05/17/21 10:43*	*05/18/21 16:43*	*1*
1-Chlorooctadecane	*105*		*40 - 140*	*05/17/21 10:43*	*05/18/21 16:43*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 16:25	5
Barium	**0.63**	**J**	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 16:25	5
Cadmium	**0.0044**	**J**	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 16:25	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 16:25	5
Lead	**0.18**		0.050	0.012	mg/L		05/18/21 03:02	05/18/21 16:25	5
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 16:25	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 16:25	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**837**		20.0	2.6	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Antimony	**0.18**	**J**	1.0	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Arsenic	**0.86**	**J**	1.0	0.10	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Barium	**8.7**		2.0	0.14	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Beryllium	0.40	U	0.40	0.057	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Cadmium	1.0	U	1.0	0.11	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Calcium	**1060**		99.8	17.0	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Chromium	**3.0**		2.0	0.17	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1

Client Sample ID: CA-1 (0-2)
Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4
Matrix: Solid
Percent Solids: 94.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.97**	**J**	2.0	0.15	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Copper	**15.6**		2.0	0.22	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Iron	**3000**		59.9	20.2	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Lead	**64.0**		0.60	0.20	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Magnesium	**531**		99.8	10.2	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Manganese	**37.9**		4.0	0.40	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Nickel	**2.6**		2.0	0.19	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Potassium	**147**		99.8	11.2	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Selenium	1.2	U	1.2	0.12	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Silver	**0.19**	**J**	1.0	0.089	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Sodium	**39.1**	**J**	99.8	15.6	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Thallium	0.40	U	0.40	0.041	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Vanadium	**4.0**		2.0	0.21	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1
Zinc	**20.4**		8.0	2.3	mg/Kg	☼	05/20/21 03:06	05/21/21 12:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 15:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.066**		0.018	0.0042	mg/Kg	☼	05/18/21 03:32	05/18/21 08:07	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**	**HF**			SU			05/20/21 13:28	1
Corrosivity	**8.3**	**HF**			SU			05/20/21 13:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.1	U	2.1	0.89	mg/Kg	☼	05/21/21 17:42	05/24/21 12:51	1
Cyanide, Total	**0.18**	**J**	0.23	0.12	mg/Kg	☼	05/19/21 18:51	05/20/21 15:27	1
Oil & Grease	**1110**		620	207	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/18/21 14:08	1
Cr (III)	**3.0**		2.0	2.0	mg/Kg			05/24/21 14:30	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**5.5**		1.0	1.0	%			05/18/21 13:16	1
Percent Solids	**94.5**		1.0	1.0	%			05/18/21 13:16	1
Total Solids	**87.8**		0.10	0.10	%			05/17/21 09:27	1
Total Volatile Solids	**2.9**		0.10	0.10	%			05/17/21 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**				S.U.			05/20/21 08:47	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			05/17/21 10:21	1
Temperature	**22.9**				Degrees C			05/17/21 10:21	1

Client Sample ID: CA-1 (0-2)
Lab Sample ID: 460-234446-4

Date Collected: 05/14/21 11:30
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 94.5

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	**0.12**		0.10	0.050	mg/L			05/17/21 17:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1
Total Solids	**108**		10.0	10.0	mg/L			05/18/21 15:30	1

Client Sample ID: WC-14A (0-2)
Lab Sample ID: 460-234446-5

Date Collected: 05/14/21 11:00
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 73.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00037	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00034	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00047	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00032	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00072	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00047	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00067	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
2-Butanone (MEK)	0.0079	U	0.0079	0.00058	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
2-Hexanone	0.0079	U *	0.0079	0.0027	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
4-Methyl-2-pentanone (MIBK)	0.0079	U *	0.0079	0.0024	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Acetone	0.0095	U	0.0095	0.0090	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Benzene	0.0016	U	0.0016	0.00041	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Bromoform	0.0016	U	0.0016	0.00067	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Bromomethane	0.0032	U	0.0032	0.0016	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Carbon disulfide	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Carbon tetrachloride	0.0016	U	0.0016	0.00061	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chlorobromomethane	0.0016	U	0.0016	0.00044	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chlorodibromomethane	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chloroethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chloroform	0.0016	U	0.0016	0.0015	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Chloromethane	0.0016	U	0.0016	0.00069	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00056	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Cyclohexane	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Dichlorobromomethane	0.0016	U	0.0016	0.00040	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00053	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Ethylbenzene	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Ethylene Dibromide	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Isopropylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Methyl acetate	0.0079	U	0.0079	0.0068	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-14A (0-2)
Date Collected: 05/14/21 11:00
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-5
Matrix: Solid
Percent Solids: 73.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0016	U	0.0016	0.00081	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Methylcyclohexane	0.0016	U	0.0016	0.00079	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Methylene Chloride	0.0032	U	0.0032	0.0018	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00027	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
o-Xylene	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Styrene	0.0016	U	0.0016	0.00044	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Tetrachloroethene	0.0016	U	0.0016	0.00048	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Toluene	0.0016	U	0.0016	0.00037	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00039	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Trichloroethene	**0.0013**	**J**	0.0016	0.00051	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00064	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1
Vinyl chloride	0.0016	U	0.0016	0.00086	mg/Kg	☼	05/15/21 15:09	05/17/21 17:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/15/21 15:09*	*05/17/21 17:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*	*05/15/21 15:09*	*05/17/21 17:33*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*05/15/21 15:09*	*05/17/21 17:33*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*05/15/21 15:09*	*05/17/21 17:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/15/21 15:09*	*05/17/21 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 06:21	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 06:21	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 06:21	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 06:21	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 06:21	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 06:21	10
Chlorobenzene	**0.010**		0.010	0.0038	mg/L			05/20/21 06:21	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 06:21	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 06:21	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 06:21	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 06:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 123*		*05/20/21 06:21*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/20/21 06:21*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/20/21 06:21*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/20/21 06:21*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27.0**		1.0	1.0	%			05/18/21 13:16	1
Percent Solids	**73.0**		1.0	1.0	%			05/18/21 13:16	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-234049-2	WC-9B (7-9)	99	101	99	103
460-234139-1	WC-10A (0-2)	100	103	107	105
460-234139-3	WC-10B (7-9)	107	112	105	115
460-234139-5	WC-18A (0-2)	99	104	109	105
460-234204-2	WC-11A (0-2)	101	105	114	103
460-234327-4	WC-19A (0-2)	99	111	107	98
460-234327-5	WC-20A (0-2)	97	107	106	94
460-234327-6	WC-12D (0-2)	102	114	89	99
460-234327-7	WC-12C (6-8)	101	112	85	101
460-234446-1	WC-13B (0-2)	97	106	98	97
460-234446-3	CA-1C (0-2)	93	108	95	99
460-234446-5	WC-14A (0-2)	98	107	99	100
LB3 460-777294/1-A	Method Blank	94	100	102	98
LB3 460-778089/1-A	Method Blank	90	109	102	96
LB3 460-778182/1-A	Method Blank	95	97	101	96
LCS 460-777411/3	Lab Control Sample	97	102	105	101
LCS 460-777625/3	Lab Control Sample	97	103	105	97
LCS 460-777883/3	Lab Control Sample	97	104	106	107
LCS 460-778221/3	Lab Control Sample	99	107	109	103
LCS 460-778287/3	Lab Control Sample	95	106	102	96
LCS 460-778358/3	Lab Control Sample	98	96	99	97
LCS 460-778385/4	Lab Control Sample	93	106	96	99
LCSD 460-777411/4	Lab Control Sample Dup	96	101	104	101
LCSD 460-777625/4	Lab Control Sample Dup	93	101	102	94
LCSD 460-777883/4	Lab Control Sample Dup	96	103	105	103
LCSD 460-778221/4	Lab Control Sample Dup	98	107	111	103
LCSD 460-778287/4	Lab Control Sample Dup	95	106	98	95
LCSD 460-778358/4	Lab Control Sample Dup	92	88	94	92
LCSD 460-778385/5	Lab Control Sample Dup	103	109	104	106
MB 460-777411/7	Method Blank	103	99	107	102
MB 460-777625/7	Method Blank	94	101	103	97
MB 460-777883/7	Method Blank	101	109	111	104
MB 460-778221/7	Method Blank	98	105	110	99
MB 460-778287/7	Method Blank	99	107	104	97
MB 460-778358/7	Method Blank	93	93	96	92
MB 460-778385/8	Method Blank	98	116	101	108

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-777661/3	Lab Control Sample	104	99	96	104

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-777898/4	Lab Control Sample	102	108	105	102
LCS 460-777922/3	Lab Control Sample	104	101	103	94
LCS 460-778255/3	Lab Control Sample	95	106	103	101
LCS 460-779010/4	Lab Control Sample	109	107	107	101
LCSD 460-777661/4	Lab Control Sample Dup	99	104	103	95
LCSD 460-777898/5	Lab Control Sample Dup	92	99	100	98
LCSD 460-777922/4	Lab Control Sample Dup	103	108	105	99
LCSD 460-778255/4	Lab Control Sample Dup	96	104	105	102
LCSD 460-779010/5	Lab Control Sample Dup	112	106	106	99
MB 460-777661/8	Method Blank	104	98	106	97
MB 460-777898/9	Method Blank	98	104	102	102
MB 460-777922/8	Method Blank	101	95	106	93
MB 460-778255/8	Method Blank	96	103	102	102
MB 460-779010/8	Method Blank	123	107	118	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-234049-2	WC-9B (7-9)	103	93	106	95
460-234139-1	WC-10A (0-2)	104	95	108	93
460-234139-3	WC-10B (7-9)	107	98	114	98
460-234139-5	WC-18A (0-2)	103	95	107	96
460-234204-2	WC-11A (0-2)	99	106	104	101
460-234327-4	WC-19A (0-2)	97	104	103	101
460-234327-5	WC-20A (0-2)	98	102	103	101
460-234327-6	WC-12D (0-2)	96	113	102	98
460-234327-7	WC-12C (6-8)	107	115	114	114
460-234446-1	WC-13B (0-2)	115	96	112	99
460-234446-3	CA-1C (0-2)	116	99	116	100
460-234446-5	WC-14A (0-2)	113	97	108	102
LB 460-777402/1-A	Method Blank	109	97	110	98
LB 460-777621/1-A	Method Blank	98	101	104	103
LB 460-777876/1-A	Method Blank	93	104	98	95
LB 460-778123/1-A	Method Blank	97	103	102	99
LB 460-778306/1-A	Method Blank	111	95	105	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-234049-1	WC-9 (0-5)	84	78	76	71	79	87
460-234049-3	WC-8_WC-9 (5-10)	69	75	73	69	75	84
460-234134-A-8-A MS	Matrix Spike	98	86	82	80	84	95
460-234134-A-8-B MSD	Matrix Spike Duplicate	97	86	84	82	85	96
460-234139-2	WC-10 (0-5)	83	76	76	69	73	87
460-234139-4	WC-18 (0-5)	81	85	84	79	89	90
460-234192-A-1-D MS	Matrix Spike	100	79	80	102	85	94
460-234192-A-1-E MSD	Matrix Spike Duplicate	97	77	80	98	84	90
460-234204-1	WC-11 (0-5)	91	78	78	76	71	92
460-234204-3	WC-10_WC-11 (5-10)	85	80	82	77	75	95
460-234327-1	WC-19 (0-5)	71	65	67	63	61	76
460-234327-2	WC-20 (0-5)	67	62	63	61	60	75
460-234327-3	WC-12 (0-5)	55	58	63	58	57	69
460-234327-8	WC-12_WC-13 (5-10)	28	55	47	52	50	61
460-234354-E-2-A MS	Matrix Spike	58	54	57	53	57	61
460-234354-E-2-B MSD	Matrix Spike Duplicate	65	52	43	43	50	67
460-234417-A-5-A MS	Matrix Spike	74	66	65	63	66	73
460-234417-A-5-B MSD	Matrix Spike Duplicate	71	65	65	64	64	72
460-234446-2	WC-13 (0-5)	43	59	58	56	57	59
460-234446-4	CA-1 (0-2)	69	67	63	59	65	76
LCS 460-777317/2-A	Lab Control Sample	104	83	88	84	89	97
LCS 460-777564/2-A	Lab Control Sample	99	88	89	84	90	100
LCS 460-777805/2-A	Lab Control Sample	89	82	85	82	83	94
LCS 460-778174/2-A	Lab Control Sample	79	74	75	75	76	84
LCS 460-778271/2-A	Lab Control Sample	91	84	89	90	90	98
LCSD 460-777317/3-A	Lab Control Sample Dup	106	84	87	83	89	99
LCSD 460-777564/3-A	Lab Control Sample Dup	95	88	87	87	87	99
LCSD 460-777805/3-A	Lab Control Sample Dup	92	84	85	82	83	98
LCSD 460-778174/3-A	Lab Control Sample Dup	79	71	71	72	71	80
LCSD 460-778271/3-A	Lab Control Sample Dup	95	87	86	87	89	103
MB 460-777317/1-A	Method Blank	84	71	75	72	75	78
MB 460-777564/1-A	Method Blank	97	89	90	87	85	105
MB 460-777805/1-A	Method Blank	87	86	85	84	79	102
MB 460-778174/1-A	Method Blank	77	74	76	76	70	87
MB 460-778271/1-A	Method Blank	89	90	92	91	92	106

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
LCS 460-777710/2-A	Lab Control Sample	96	70	26	81	19	75

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
LCS 460-777833/2-A	Lab Control Sample	92	71	28	82	19	75
LCS 460-778093/2-A	Lab Control Sample	76	75	30	69	18	73
LCS 460-778165/2-A	Lab Control Sample	101	103	54	100	38	114
LCS 460-778419/2-A	Lab Control Sample	87	111	67	124	42	113
LCSD 460-777710/3-A	Lab Control Sample Dup	96	71	28	80	19	75
LCSD 460-777833/3-A	Lab Control Sample Dup	94	70	28	80	19	75
LCSD 460-778093/3-A	Lab Control Sample Dup	76	74	30	70	18	74
LCSD 460-778165/3-A	Lab Control Sample Dup	97	100	50	99	35	114
LCSD 460-778419/3-A	Lab Control Sample Dup	86	110	67	125	43	116
MB 460-777710/1-A	Method Blank	72	59	34	73	23	68
MB 460-777833/1-A	Method Blank	62	73	23	83	16	78
MB 460-778093/1-A	Method Blank	61	72	30	69	17	77
MB 460-778165/1-A	Method Blank	86	95	52	93	35	117
MB 460-778419/1-A	Method Blank	66	98	54	110	36	113

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-234049-1	WC-9 (0-5)	95	80	46	95	30	84
460-234049-3	WC-8_WC-9 (5-10)	90	77	42	92	28	82
460-234139-2	WC-10 (0-5)	85	79	44	93	33	76
460-234139-4	WC-18 (0-5)	100	78	58	92	50	75
460-234204-1	WC-11 (0-5)	75	105	62	116	40	98
460-234204-3	WC-10_WC-11 (5-10)	72	104	61	113	38	90
460-234327-1	WC-19 (0-5)	91	105	70	102	50	117
460-234327-2	WC-20 (0-5)	76	103	50	100	30	111
460-234327-3	WC-12 (0-5)	82	107	51	102	32	109
460-234327-8	WC-12_WC-13 (5-10)	94	112	59	101	37	117
460-234446-2	WC-13 (0-5)	57	66	51	91	35	88
460-234446-4	CA-1 (0-2)	68	78	65	107	43	109
LB 460-777574/1-B	Method Blank	93	77	46	93	32	83
LB 460-777826/1-B	Method Blank	85	77	42	90	29	80
LB 460-778046/1-B	Method Blank	76	102	65	113	43	111
LB 460-778215/1-B	Method Blank	93	117	55	111	32	135
LB 460-778334/1-E	Method Blank	72	71	54	103	34	104

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-133)	TCX2 (10-133)
460-234049-1	WC-9 (0-5)	94	94	91	88
460-234049-3	WC-8_WC-9 (5-10)	111	115	104	108
460-234122-F-1-D MS	Matrix Spike	80	85	79	79
460-234122-F-1-E MSD	Matrix Spike Duplicate	77	78	72	70
460-234139-2	WC-10 (0-5)	93	97	84	88
460-234139-4	WC-18 (0-5)	109	114	99	101
460-234204-1	WC-11 (0-5)	123	127	113	119
460-234204-3	WC-10_WC-11 (5-10)	121	123	117	114
460-234327-1	WC-19 (0-5)	62	76	55	56
460-234327-2	WC-20 (0-5)	64	65	60	62
460-234327-3	WC-12 (0-5)	44	58	43	44
460-234327-8	WC-12_WC-13 (5-10)	41	42	44	46
460-234446-2	WC-13 (0-5)	55	58	74	75
460-234446-4	CA-1 (0-2)	52	59	60	60
LCS 460-777288/2-A	Lab Control Sample	99	93	86	86
LCS 460-777822/2-A	Lab Control Sample	87	87	85	85
LCS 460-778176/2-A	Lab Control Sample	86	82	83	82
LCS 460-778281/2-A	Lab Control Sample	89	85	85	81
LCSD 460-777288/3-A	Lab Control Sample Dup	91	97	89	91
LCSD 460-777822/3-A	Lab Control Sample Dup	101	100	97	97
LCSD 460-778176/3-A	Lab Control Sample Dup	91	91	87	85
LCSD 460-778281/3-A	Lab Control Sample Dup	89	92	87	84
MB 460-777288/1-A	Method Blank	100	97	91	89
MB 460-777822/1-A	Method Blank	107	107	100	102
MB 460-778176/1-A	Method Blank	103	101	92	95
MB 460-778281/1-A	Method Blank	105	95	90	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
LCS 460-777718/2-A	Lab Control Sample	84	76	87	85
LCS 460-777969/2-A	Lab Control Sample	84	80	76	73
LCS 460-778168/2-A	Lab Control Sample	98	83	95	89
LCS 460-778275/2-A	Lab Control Sample	79	85	76	83
LCS 460-778417/2-A	Lab Control Sample	84	76	83	79
LCSD 460-777718/3-A	Lab Control Sample Dup	82	73	85	82
LCSD 460-777969/3-A	Lab Control Sample Dup	86	85	75	78
LCSD 460-778168/3-A	Lab Control Sample Dup	83	74	81	78
LCSD 460-778275/3-A	Lab Control Sample Dup	82	84	77	81
LCSD 460-778417/3-A	Lab Control Sample Dup	87	79	85	80

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
MB 460-777718/1-A	Method Blank	92	75	91	89
MB 460-777969/1-A	Method Blank	66	76	68	69
MB 460-778168/1-A	Method Blank	71	64	70	70
MB 460-778275/1-A	Method Blank	81	88	77	84
MB 460-778417/1-A	Method Blank	88	83	83	82

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
460-234049-1	WC-9 (0-5)	41	39	52	50
460-234049-3	WC-8_WC-9 (5-10)	55	47	55	51
460-234139-2	WC-10 (0-5)	55	54	63	64
460-234139-4	WC-18 (0-5)	53	48	55	59
460-234204-1	WC-11 (0-5)	80	68	88	79
460-234204-3	WC-10_WC-11 (5-10)	78	69	92	87
460-234327-1	WC-19 (0-5)	84	85	90	92
460-234327-2	WC-20 (0-5)	82	84	90	90
460-234327-3	WC-12 (0-5)	75	69	93	86
460-234327-8	WC-12_WC-13 (5-10)	79	83	98	95
460-234446-2	WC-13 (0-5)	65	55	45	43
460-234446-4	CA-1 (0-2)	62	57	48	47
LB 460-777574/1-E	Method Blank	53	50	52	52
LB 460-777826/1-C	Method Blank	78	86	63	65
LB 460-778046/1-D	Method Blank	98	83	95	92
LB 460-778215/1-G	Method Blank	89	100	96	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-234049-1	WC-9 (0-5)	91	93	96	97
460-234049-3	WC-8_WC-9 (5-10)	110	109	114	110
460-234139-2	WC-10 (0-5)	101	95	94	69
460-234139-4	WC-18 (0-5)	94	93	94	108
460-234204-1	WC-11 (0-5)	113	107	106	83
460-234204-3	WC-10_WC-11 (5-10)	115	108	111	84
460-234220-G-1-B MS	Matrix Spike	106	104	99	76
460-234220-G-1-C MSD	Matrix Spike Duplicate	110	114	106	82
460-234318-H-8-A MS	Matrix Spike	112	114	109	89

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
460-234318-H-8-B MSD	Matrix Spike Duplicate	89	95	83	68
460-234327-1	WC-19 (0-5)	94	91	87	65
460-234327-2	WC-20 (0-5)	100	100	92	73
460-234327-3	WC-12 (0-5)	59	59	58	47 *
460-234327-8	WC-12_WC-13 (5-10)	80	89	80	69
460-234446-2	WC-13 (0-5)	89	113	111	109
460-234446-4	CA-1 (0-2)	67	81	83	80
460-234456-C-1-A MS	Matrix Spike	62	79	72	66
460-234456-C-1-B MSD	Matrix Spike Duplicate	57	77	63	63
LCS 460-777283/2-A	Lab Control Sample	93	88	97	92
LCS 460-777819/2-A	Lab Control Sample	85	83	79	66
LCS 460-778175/2-A	Lab Control Sample	98	97	99	72
LCS 460-778280/2-A	Lab Control Sample	87	109	94	86
LCSD 460-777283/3-A	Lab Control Sample Dup	98	95	97	98
LCSD 460-777819/3-A	Lab Control Sample Dup	81	78	77	82
LCSD 460-778175/3-A	Lab Control Sample Dup	104	100	101	77
LCSD 460-778280/3-A	Lab Control Sample Dup	85	107	92	84
MB 460-777283/1-A	Method Blank	103	98	107	106
MB 460-777819/1-A	Method Blank	140	134	89	107
MB 460-778175/1-A	Method Blank	100	90	99	65
MB 460-778280/1-A	Method Blank	92	113	98	90

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (65-150)	DCPAA2 (65-150)
460-234049-1	WC-9 (0-5)	113	104
460-234049-1 MS	WC-9 (0-5)	115	102
460-234049-1 MSD	WC-9 (0-5)	116	104
460-234049-3	WC-8_WC-9 (5-10)	114	92
460-234139-2	WC-10 (0-5)	110	117
460-234139-4	WC-18 (0-5)	84	83
460-234139-4 MS	WC-18 (0-5)	99	96
460-234139-4 MSD	WC-18 (0-5)	100	98
460-234204-1	WC-11 (0-5)	118	124
460-234204-3	WC-10_WC-11 (5-10)	121	120
460-234319-C-1-C MS	Matrix Spike	113	109
460-234319-C-1-D MSD	Matrix Spike Duplicate	121	117
460-234327-1	WC-19 (0-5)	127	114
460-234327-2	WC-20 (0-5)	132	114
460-234327-3	WC-12 (0-5)	127	113
460-234327-8	WC-12_WC-13 (5-10)	123	117
460-234446-2	WC-13 (0-5)	125	98
460-234446-4	CA-1 (0-2)	125	105
LCS 460-777319/2-A	Lab Control Sample	113	108

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (65-150)	DCPAA2 (65-150)
LCS 460-778085/2-A	Lab Control Sample	99	93
LCS 460-778342/2-A	Lab Control Sample	116	119
LCSD 460-777319/3-A	Lab Control Sample Dup	112	105
LCSD 460-778085/3-A	Lab Control Sample Dup	98	95
LCSD 460-778342/3-A	Lab Control Sample Dup	117	118
MB 460-777319/1-A	Method Blank	101	100
MB 460-778085/1-A	Method Blank	89	85
MB 460-778342/1-A	Method Blank	105	113

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
LCS 460-777853/2-A	Lab Control Sample	149	145
LCS 460-778107/2-A	Lab Control Sample	79	78
LCS 460-778341/2-A	Lab Control Sample	79	77
LCS 460-778557/2-A	Lab Control Sample	116	108
LCSD 460-777853/3-A	Lab Control Sample Dup	155 *	150
LCSD 460-778107/3-A	Lab Control Sample Dup	81	80
LCSD 460-778341/3-A	Lab Control Sample Dup	84	82
LCSD 460-778557/3-A	Lab Control Sample Dup	118	109
MB 460-777853/1-A	Method Blank	142	143
MB 460-778107/1-A	Method Blank	77	76
MB 460-778341/1-A	Method Blank	77	74
MB 460-778557/1-A	Method Blank	102	97

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
460-234049-1	WC-9 (0-5)	47	48
460-234049-3	WC-8_WC-9 (5-10)	46	48
460-234139-2	WC-10 (0-5)	59	55
460-234139-4	WC-18 (0-5)	63	58
460-234204-1	WC-11 (0-5)	58	60
460-234204-3	WC-10_WC-11 (5-10)	58	61
460-234327-1	WC-19 (0-5)	58	61
460-234327-2	WC-20 (0-5)	55	57
460-234327-3	WC-12 (0-5)	58	59
460-234327-8	WC-12_WC-13 (5-10)	59	61
460-234446-2	WC-13 (0-5)	72	63
460-234446-4	CA-1 (0-2)	70	61

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
LB 460-777574/1-H	Method Blank	102	94
LB 460-777826/1-F	Method Blank	55	57
LB 460-778046/1-F	Method Blank	66	70
LB 460-778215/1-D	Method Blank	69	71
LB 460-778334/1-G	Method Blank	104	93

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH1 (40-140)	1COD1 (40-140)
460-234049-1	WC-9 (0-5)	87	102
460-234049-3	WC-8_WC-9 (5-10)	92	140
460-234139-2	WC-10 (0-5)	97	140
460-234139-4	WC-18 (0-5)	110	127
460-234204-1	WC-11 (0-5)	118	122
460-234204-3	WC-10_WC-11 (5-10)	78	92
460-234327-1	WC-19 (0-5)	125	326 *
460-234327-2	WC-20 (0-5)	131	160 *
460-234327-3	WC-12 (0-5)	121	154 *
460-234327-8	WC-12_WC-13 (5-10)	133	150 *
460-234446-2	WC-13 (0-5)	105	107
460-234446-4	CA-1 (0-2)	101	105
LCS 460-777456/2-A	Lab Control Sample	93	129
LCS 460-777711/2-A	Lab Control Sample	93	152 *
LCS 460-777967/2-A	Lab Control Sample	103	124
LCS 460-778277/4-A	Lab Control Sample	103	202 *
LCS 460-778425/2-A	Lab Control Sample	105	152 *
LCSD 460-777456/3-A	Lab Control Sample Dup	100	129
LCSD 460-777711/3-A	Lab Control Sample Dup	95	155 *
LCSD 460-777967/3-A	Lab Control Sample Dup	103	124
LCSD 460-778277/5-A	Lab Control Sample Dup	102	201 *
LCSD 460-778425/3-A	Lab Control Sample Dup	102	147 *
MB 460-777456/1-A	Method Blank	102	63
MB 460-777711/1-A	Method Blank	104	107
MB 460-777967/1-A	Method Blank	108	90
MB 460-778277/1-A	Method Blank	112	140
MB 460-778425/1-A	Method Blank	102	101

Surrogate Legend

OTPH = o-Terphenyl

1COD = 1-Chlorooctadecane

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

Lab Sample ID: LB3 460-777294/1-A
Matrix: Solid
Analysis Batch: 777411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777294

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/11/21 18:00	05/12/21 17:55	1

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

Lab Sample ID: LB3 460-777294/1-A
Matrix: Solid
Analysis Batch: 777411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777294

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/11/21 18:00	05/12/21 17:55	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/11/21 18:00	05/12/21 17:55	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/11/21 18:00*	*05/12/21 17:55*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*	*05/11/21 18:00*	*05/12/21 17:55*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*05/11/21 18:00*	*05/12/21 17:55*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*05/11/21 18:00*	*05/12/21 17:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/11/21 18:00*	*05/12/21 17:55*	*1*

Lab Sample ID: MB 460-777411/7
Matrix: Solid
Analysis Batch: 777411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:29	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/12/21 10:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/12/21 10:29	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:29	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/12/21 10:29	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:29	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:29	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:29	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/12/21 10:29	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:29	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/12/21 10:29	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/12/21 10:29	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/12/21 10:29	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:29	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/12/21 10:29	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/12/21 10:29	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/12/21 10:29	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/12/21 10:29	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/12/21 10:29	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/12/21 10:29	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/12/21 10:29	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:29	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/12/21 10:29	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:29	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/12/21 10:29	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/12/21 10:29	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/12/21 10:29	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/12/21 10:29	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/12/21 10:29	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/12/21 10:29	1

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

Lab Sample ID: MB 460-777411/7
Matrix: Solid
Analysis Batch: 777411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:29	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/12/21 10:29	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/12/21 10:29	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/12/21 10:29	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/12/21 10:29	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/12/21 10:29	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/12/21 10:29	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/12/21 10:29	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/12/21 10:29	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/12/21 10:29	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/12/21 10:29	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/12/21 10:29	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/12/21 10:29	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/12/21 10:29	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/12/21 10:29	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/12/21 10:29	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/12/21 10:29	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/12/21 10:29	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/12/21 10:29	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/12/21 10:29	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/12/21 10:29	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/12/21 10:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*		*05/12/21 10:29*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*		*05/12/21 10:29*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*		*05/12/21 10:29*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/12/21 10:29*	*1*

Lab Sample ID: LCS 460-777411/3
Matrix: Solid
Analysis Batch: 777411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0167		mg/Kg		84	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0166		mg/Kg		83	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0212		mg/Kg		106	78 - 136
1,1,2-Trichloroethane	0.0200	0.0174		mg/Kg		87	75 - 120
1,1-Dichloroethane	0.0200	0.0179		mg/Kg		89	76 - 129
1,1-Dichloroethene	0.0200	0.0173		mg/Kg		87	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0185		mg/Kg		92	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0189		mg/Kg		94	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0100	*	mg/Kg		50	60 - 126
1,2-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0158		mg/Kg		79	70 - 132

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

Lab Sample ID: LCS 460-777411/3
Matrix: Solid
Analysis Batch: 777411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.0200	0.0178		mg/Kg		89	73 - 124
1,3-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.106		mg/Kg		106	75 - 120
2-Hexanone	0.100	0.0913		mg/Kg		91	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0887		mg/Kg		89	80 - 122
Acetone	0.100	0.0765		mg/Kg		77	63 - 131
Benzene	0.0200	0.0172		mg/Kg		86	80 - 123
Bromoform	0.0200	0.00893	*	mg/Kg		45	48 - 142
Bromomethane	0.0200	0.0196		mg/Kg		98	46 - 150
Carbon disulfide	0.0200	0.0177		mg/Kg		89	67 - 136
Carbon tetrachloride	0.0200	0.0133	*	mg/Kg		66	72 - 136
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Chlorobromomethane	0.0200	0.0174		mg/Kg		87	76 - 127
Chlorodibromomethane	0.0200	0.0110	*	mg/Kg		55	62 - 128
Chloroethane	0.0200	0.0191		mg/Kg		96	49 - 150
Chloroform	0.0200	0.0182		mg/Kg		91	79 - 126
Chloromethane	0.0200	0.0191		mg/Kg		95	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0152		mg/Kg		76	72 - 120
Cyclohexane	0.0200	0.0193		mg/Kg		97	80 - 132
Dichlorobromomethane	0.0200	0.0141	*	mg/Kg		71	73 - 124
Dichlorodifluoromethane	0.0200	0.0222		mg/Kg		111	40 - 146
Ethylbenzene	0.0200	0.0179		mg/Kg		90	80 - 120
Ethylene Dibromide	0.0200	0.0176		mg/Kg		88	79 - 120
Isopropylbenzene	0.0200	0.0177		mg/Kg		89	80 - 120
Methyl acetate	0.0400	0.0391		mg/Kg		98	58 - 143
Methyl tert-butyl ether	0.0200	0.0180		mg/Kg		90	80 - 125
Methylcyclohexane	0.0200	0.0188		mg/Kg		94	79 - 133
Methylene Chloride	0.0200	0.0174		mg/Kg		87	76 - 127
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120
o-Xylene	0.0200	0.0173		mg/Kg		86	80 - 120
Styrene	0.0200	0.0171		mg/Kg		85	80 - 120
Tetrachloroethene	0.0200	0.0184		mg/Kg		92	78 - 123
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0143		mg/Kg		71	68 - 120
Trichloroethene	0.0200	0.0185		mg/Kg		93	79 - 120
Trichlorofluoromethane	0.0200	0.0201		mg/Kg		100	67 - 142
Vinyl chloride	0.0200	0.0210		mg/Kg		105	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 460-777411/4
Matrix: Solid
Analysis Batch: 777411

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0182		mg/Kg		91	78 - 132	8	30
1,1,2,2-Tetrachloroethane			0.0200	0.0204		mg/Kg		102	69 - 123	21	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0225		mg/Kg		113	78 - 136	6	30
1,1,2-Trichloroethane			0.0200	0.0206		mg/Kg		103	75 - 120	17	30
1,1-Dichloroethane			0.0200	0.0200		mg/Kg		100	76 - 129	11	30
1,1-Dichloroethene			0.0200	0.0184		mg/Kg		92	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0221		mg/Kg		110	65 - 144	18	30
1,2,4-Trichlorobenzene			0.0200	0.0230		mg/Kg		115	75 - 120	20	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0131		mg/Kg		65	60 - 126	26	30
1,2-Dichlorobenzene			0.0200	0.0220		mg/Kg		110	80 - 120	20	30
1,2-Dichloroethane			0.0200	0.0177		mg/Kg		88	70 - 132	12	30
1,2-Dichloropropane			0.0200	0.0194		mg/Kg		97	73 - 124	9	30
1,3-Dichlorobenzene			0.0200	0.0235		mg/Kg		118	80 - 120	18	30
1,4-Dichlorobenzene			0.0200	0.0226		mg/Kg		113	80 - 120	19	30
2-Butanone (MEK)			0.100	0.128	*	mg/Kg		128	75 - 120	19	30
2-Hexanone			0.100	0.113		mg/Kg		113	78 - 120	21	30
4-Methyl-2-pentanone (MIBK)			0.100	0.110		mg/Kg		110	80 - 122	21	30
Acetone			0.100	0.0889		mg/Kg		89	63 - 131	15	30
Benzene			0.0200	0.0191		mg/Kg		96	80 - 123	10	30
Bromoform			0.0200	0.0116		mg/Kg		58	48 - 142	26	30
Bromomethane			0.0200	0.0187		mg/Kg		94	46 - 150	5	30
Carbon disulfide			0.0200	0.0189		mg/Kg		94	67 - 136	6	30
Carbon tetrachloride			0.0200	0.0145		mg/Kg		72	72 - 136	8	30
Chlorobenzene			0.0200	0.0215		mg/Kg		107	80 - 120	15	30
Chlorobromomethane			0.0200	0.0190		mg/Kg		95	76 - 127	9	30
Chlorodibromomethane			0.0200	0.0132		mg/Kg		66	62 - 128	18	30
Chloroethane			0.0200	0.0176		mg/Kg		88	49 - 150	8	30
Chloroform			0.0200	0.0203		mg/Kg		102	79 - 126	11	30
Chloromethane			0.0200	0.0178		mg/Kg		89	48 - 150	7	30
cis-1,2-Dichloroethene			0.0200	0.0206		mg/Kg		103	80 - 123	9	30
cis-1,3-Dichloropropene			0.0200	0.0178		mg/Kg		89	72 - 120	16	30
Cyclohexane			0.0200	0.0199		mg/Kg		100	80 - 132	3	30
Dichlorobromomethane			0.0200	0.0163		mg/Kg		82	73 - 124	14	30
Dichlorodifluoromethane			0.0200	0.0185		mg/Kg		92	40 - 146	18	30
Ethylbenzene			0.0200	0.0206		mg/Kg		103	80 - 120	14	30
Ethylene Dibromide			0.0200	0.0207		mg/Kg		103	79 - 120	16	30
Isopropylbenzene			0.0200	0.0202		mg/Kg		101	80 - 120	13	30
Methyl acetate			0.0400	0.0449		mg/Kg		112	58 - 143	14	30
Methyl tert-butyl ether			0.0200	0.0201		mg/Kg		101	80 - 125	11	30
Methylcyclohexane			0.0200	0.0195		mg/Kg		97	79 - 133	4	30
Methylene Chloride			0.0200	0.0200		mg/Kg		100	76 - 127	14	30
m-Xylene & p-Xylene			0.0200	0.0206		mg/Kg		103	80 - 120	12	30
o-Xylene			0.0200	0.0204		mg/Kg		102	80 - 120	17	30
Styrene			0.0200	0.0202		mg/Kg		101	80 - 120	17	30
Tetrachloroethene			0.0200	0.0200		mg/Kg		100	78 - 123	8	30
Toluene			0.0200	0.0202		mg/Kg		101	80 - 120	12	30
trans-1,2-Dichloroethene			0.0200	0.0201		mg/Kg		100	78 - 128	9	30
trans-1,3-Dichloropropene			0.0200	0.0173		mg/Kg		86	68 - 120	19	30

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

Lab Sample ID: LCSD 460-777411/4
Matrix: Solid
Analysis Batch: 777411

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0203		mg/Kg		101	79 - 120	9	30
Trichlorofluoromethane			0.0200	0.0167		mg/Kg		84	67 - 142	18	30
Vinyl chloride			0.0200	0.0181		mg/Kg		90	56 - 147	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-777625/7
Matrix: Solid
Analysis Batch: 777625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/13/21 09:07	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/13/21 09:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/13/21 09:07	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/13/21 09:07	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/13/21 09:07	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/13/21 09:07	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/13/21 09:07	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/13/21 09:07	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/13/21 09:07	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/13/21 09:07	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/13/21 09:07	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/13/21 09:07	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/13/21 09:07	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/13/21 09:07	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/13/21 09:07	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/13/21 09:07	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/13/21 09:07	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/13/21 09:07	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/13/21 09:07	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/13/21 09:07	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/13/21 09:07	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/13/21 09:07	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/13/21 09:07	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/13/21 09:07	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/13/21 09:07	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/13/21 09:07	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/13/21 09:07	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/13/21 09:07	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/13/21 09:07	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/13/21 09:07	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/13/21 09:07	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/13/21 09:07	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/13/21 09:07	1

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

Lab Sample ID: MB 460-777625/7
Matrix: Solid
Analysis Batch: 777625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/13/21 09:07	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/13/21 09:07	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/13/21 09:07	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/13/21 09:07	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/13/21 09:07	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/13/21 09:07	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/13/21 09:07	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/13/21 09:07	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/13/21 09:07	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/13/21 09:07	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/13/21 09:07	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/13/21 09:07	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/13/21 09:07	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/13/21 09:07	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/13/21 09:07	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/13/21 09:07	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/13/21 09:07	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/13/21 09:07	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/13/21 09:07*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*		*05/13/21 09:07*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*		*05/13/21 09:07*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*		*05/13/21 09:07*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/13/21 09:07*	*1*

Lab Sample ID: LCS 460-777625/3
Matrix: Solid
Analysis Batch: 777625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0186		mg/Kg		93	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0236		mg/Kg		118	78 - 136
1,1,2-Trichloroethane	0.0200	0.0181		mg/Kg		91	75 - 120
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		96	76 - 129
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0124		mg/Kg		62	60 - 126
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 132
1,2-Dichloropropane	0.0200	0.0188		mg/Kg		94	73 - 124
1,3-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120
1,4-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120

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

Lab Sample ID: LCS 460-777625/3
Matrix: Solid
Analysis Batch: 777625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	0.100	0.116		mg/Kg		116	75 - 120
2-Hexanone	0.100	0.101		mg/Kg		101	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0991		mg/Kg		99	80 - 122
Acetone	0.100	0.0866		mg/Kg		87	63 - 131
Benzene	0.0200	0.0176		mg/Kg		88	80 - 123
Bromoform	0.0200	0.0111		mg/Kg		55	48 - 142
Bromomethane	0.0200	0.0192		mg/Kg		96	46 - 150
Carbon disulfide	0.0200	0.0223		mg/Kg		112	67 - 136
Carbon tetrachloride	0.0200	0.0153		mg/Kg		77	72 - 136
Chlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0186		mg/Kg		93	76 - 127
Chlorodibromomethane	0.0200	0.0126		mg/Kg		63	62 - 128
Chloroethane	0.0200	0.0183		mg/Kg		92	49 - 150
Chloroform	0.0200	0.0196		mg/Kg		98	79 - 126
Chloromethane	0.0200	0.0181		mg/Kg		90	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		103	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0158		mg/Kg		79	72 - 120
Cyclohexane	0.0200	0.0208		mg/Kg		104	80 - 132
Dichlorobromomethane	0.0200	0.0160		mg/Kg		80	73 - 124
Dichlorodifluoromethane	0.0200	0.0195		mg/Kg		97	40 - 146
Ethylbenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120
Isopropylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120
Methyl acetate	0.0400	0.0429		mg/Kg		107	58 - 143
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	80 - 125
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133
Methylene Chloride	0.0200	0.0192		mg/Kg		96	76 - 127
m-Xylene & p-Xylene	0.0200	0.0197		mg/Kg		99	80 - 120
o-Xylene	0.0200	0.0189		mg/Kg		94	80 - 120
Styrene	0.0200	0.0186		mg/Kg		93	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	78 - 123
Toluene	0.0200	0.0188		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0149		mg/Kg		75	68 - 120
Trichloroethene	0.0200	0.0205		mg/Kg		103	79 - 120
Trichlorofluoromethane	0.0200	0.0201		mg/Kg		101	67 - 142
Vinyl chloride	0.0200	0.0196		mg/Kg		98	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: LCSD 460-777625/4
Matrix: Solid
Analysis Batch: 777625

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0180		mg/Kg		90	78 - 132	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0171		mg/Kg		86	69 - 123	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0220		mg/Kg		110	78 - 136	7	30
1,1,2-Trichloroethane	0.0200	0.0179		mg/Kg		89	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0187		mg/Kg		94	76 - 129	3	30
1,1-Dichloroethene	0.0200	0.0186		mg/Kg		93	77 - 132	3	30
1,2,3-Trichlorobenzene	0.0200	0.0181		mg/Kg		90	65 - 144	6	30
1,2,4-Trichlorobenzene	0.0200	0.0185		mg/Kg		93	75 - 120	6	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0123		mg/Kg		61	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	7	30
1,2-Dichloroethane	0.0200	0.0170		mg/Kg		85	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0181		mg/Kg		91	73 - 124	4	30
1,3-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	9	30
2-Butanone (MEK)	0.100	0.110		mg/Kg		110	75 - 120	5	30
2-Hexanone	0.100	0.0925		mg/Kg		93	78 - 120	9	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 122	8	30
Acetone	0.100	0.0795		mg/Kg		79	63 - 131	9	30
Benzene	0.0200	0.0171		mg/Kg		85	80 - 123	3	30
Bromoform	0.0200	0.0109		mg/Kg		54	48 - 142	2	30
Bromomethane	0.0200	0.0179		mg/Kg		90	46 - 150	7	30
Carbon disulfide	0.0200	0.0193		mg/Kg		97	67 - 136	14	30
Carbon tetrachloride	0.0200	0.0149		mg/Kg		74	72 - 136	3	30
Chlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120	3	30
Chlorobromomethane	0.0200	0.0183		mg/Kg		92	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0127		mg/Kg		63	62 - 128	0	30
Chloroethane	0.0200	0.0172		mg/Kg		86	49 - 150	6	30
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126	3	30
Chloromethane	0.0200	0.0164		mg/Kg		82	48 - 150	9	30
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0155		mg/Kg		78	72 - 120	2	30
Cyclohexane	0.0200	0.0197		mg/Kg		99	80 - 132	5	30
Dichlorobromomethane	0.0200	0.0156		mg/Kg		78	73 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		91	40 - 146	7	30
Ethylbenzene	0.0200	0.0181		mg/Kg		91	80 - 120	5	30
Ethylene Dibromide	0.0200	0.0180		mg/Kg		90	79 - 120	4	30
Isopropylbenzene	0.0200	0.0181		mg/Kg		90	80 - 120	5	30
Methyl acetate	0.0400	0.0395		mg/Kg		99	58 - 143	8	30
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		95	80 - 125	5	30
Methylcyclohexane	0.0200	0.0193		mg/Kg		96	79 - 133	4	30
Methylene Chloride	0.0200	0.0188		mg/Kg		94	76 - 127	2	30
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		92	80 - 120	7	30
o-Xylene	0.0200	0.0175		mg/Kg		87	80 - 120	8	30
Styrene	0.0200	0.0174		mg/Kg		87	80 - 120	7	30
Tetrachloroethene	0.0200	0.0181		mg/Kg		91	78 - 123	7	30
Toluene	0.0200	0.0178		mg/Kg		89	80 - 120	6	30
trans-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	78 - 128	3	30
trans-1,3-Dichloropropene	0.0200	0.0145		mg/Kg		73	68 - 120	3	30

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

Lab Sample ID: LCSD 460-777625/4
Matrix: Solid
Analysis Batch: 777625

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0197		mg/Kg		98	79 - 120	4	30
Trichlorofluoromethane			0.0200	0.0187		mg/Kg		93	67 - 142	8	30
Vinyl chloride			0.0200	0.0187		mg/Kg		94	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 460-777661/8
Matrix: Solid
Analysis Batch: 777661

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/13/21 11:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/13/21 11:23	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/13/21 11:23	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/13/21 11:23	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/13/21 11:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/13/21 11:23	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/13/21 11:23	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/13/21 11:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/13/21 11:23	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/13/21 11:23	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/13/21 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/13/21 11:23*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*05/13/21 11:23*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/13/21 11:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/13/21 11:23*	*1*

Lab Sample ID: LCS 460-777661/3
Matrix: Solid
Analysis Batch: 777661

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0158		mg/L		79	68 - 133		
1,2-Dichloroethane			0.0200	0.0201		mg/L		100	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0191		mg/L		95	80 - 118		
2-Butanone (MEK)			0.100	0.0948		mg/L		95	69 - 128		
Benzene			0.0200	0.0203		mg/L		102	78 - 126		
Carbon tetrachloride			0.0200	0.0193		mg/L		97	56 - 131		
Chlorobenzene			0.0200	0.0197		mg/L		98	80 - 119		
Chloroform			0.0200	0.0187		mg/L		93	78 - 125		
Tetrachloroethene			0.0200	0.0196		mg/L		98	70 - 127		
Trichloroethene			0.0200	0.0202		mg/L		101	71 - 121		

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

Lab Sample ID: LCS 460-777661/3
Matrix: Solid
Analysis Batch: 777661

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			0.0200	0.0171		mg/L		86	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 460-777661/4
Matrix: Solid
Analysis Batch: 777661

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0175		mg/L		88	68 - 133	10	30
1,2-Dichloroethane			0.0200	0.0177		mg/L		89	75 - 121	12	30
1,4-Dichlorobenzene			0.0200	0.0185		mg/L		93	80 - 118	3	30
2-Butanone (MEK)			0.100	0.100		mg/L		100	69 - 128	6	30
Benzene			0.0200	0.0187		mg/L		93	78 - 126	8	30
Carbon tetrachloride			0.0200	0.0197		mg/L		99	56 - 131	2	30
Chlorobenzene			0.0200	0.0196		mg/L		98	80 - 119	1	30
Chloroform			0.0200	0.0190		mg/L		95	78 - 125	2	30
Tetrachloroethene			0.0200	0.0188		mg/L		94	70 - 127	4	30
Trichloroethene			0.0200	0.0184		mg/L		92	71 - 121	9	30
Vinyl chloride			0.0200	0.0191		mg/L		95	61 - 144	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 460-777883/7
Matrix: Solid
Analysis Batch: 777883

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/14/21 08:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/14/21 08:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/14/21 08:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/14/21 08:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/14/21 08:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/14/21 08:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/14/21 08:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/14/21 08:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/14/21 08:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/14/21 08:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/14/21 08:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/14/21 08:10	1

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

Lab Sample ID: MB 460-777883/7
Matrix: Solid
Analysis Batch: 777883

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/14/21 08:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/14/21 08:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/14/21 08:10	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/14/21 08:10	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/14/21 08:10	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/14/21 08:10	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/14/21 08:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/14/21 08:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/14/21 08:10	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/14/21 08:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/14/21 08:10	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/14/21 08:10	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/14/21 08:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/14/21 08:10	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/14/21 08:10	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/14/21 08:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/14/21 08:10	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/14/21 08:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/14/21 08:10	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/14/21 08:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/14/21 08:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/14/21 08:10	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/14/21 08:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/14/21 08:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/14/21 08:10	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/14/21 08:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/14/21 08:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/14/21 08:10	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/14/21 08:10	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/14/21 08:10	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/14/21 08:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/14/21 08:10	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/14/21 08:10	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/14/21 08:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/14/21 08:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/14/21 08:10	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/14/21 08:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/14/21 08:10	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/14/21 08:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/14/21 08:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*		*05/14/21 08:10*	*1*
4-Bromofluorobenzene	*109*		*70 - 139*		*05/14/21 08:10*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*		*05/14/21 08:10*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/14/21 08:10*	*1*

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

Lab Sample ID: LCS 460-777883/3
Matrix: Solid
Analysis Batch: 777883

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0191		mg/Kg		95	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0244		mg/Kg		122	78 - 136
1,1,2-Trichloroethane	0.0200	0.0198		mg/Kg		99	75 - 120
1,1-Dichloroethane	0.0200	0.0195		mg/Kg		98	76 - 129
1,1-Dichloroethene	0.0200	0.0196		mg/Kg		98	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0213		mg/Kg		107	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0128		mg/Kg		64	60 - 126
1,2-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 132
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		96	73 - 124
1,3-Dichlorobenzene	0.0200	0.0218		mg/Kg		109	80 - 120
1,4-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.119		mg/Kg		119	75 - 120
2-Hexanone	0.100	0.0870		mg/Kg		87	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0939		mg/Kg		94	80 - 122
Acetone	0.100	0.0868		mg/Kg		87	63 - 131
Benzene	0.0200	0.0209		mg/Kg		105	80 - 123
Bromoform	0.0200	0.0118		mg/Kg		59	48 - 142
Bromomethane	0.0200	0.0195		mg/Kg		97	46 - 150
Carbon disulfide	0.0200	0.0201		mg/Kg		100	67 - 136
Carbon tetrachloride	0.0200	0.0160		mg/Kg		80	72 - 136
Chlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
Chlorobromomethane	0.0200	0.0194		mg/Kg		97	76 - 127
Chlorodibromomethane	0.0200	0.0138		mg/Kg		69	62 - 128
Chloroethane	0.0200	0.0189		mg/Kg		95	49 - 150
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126
Chloromethane	0.0200	0.0183		mg/Kg		91	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0173		mg/Kg		86	72 - 120
Cyclohexane	0.0200	0.0220		mg/Kg		110	80 - 132
Dichlorobromomethane	0.0200	0.0162		mg/Kg		81	73 - 124
Dichlorodifluoromethane	0.0200	0.0182		mg/Kg		91	40 - 146
Ethylbenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Ethylene Dibromide	0.0200	0.0193		mg/Kg		97	79 - 120
Isopropylbenzene	0.0200	0.0218		mg/Kg		109	80 - 120
Methyl acetate	0.0400	0.0442		mg/Kg		111	58 - 143
Methyl tert-butyl ether	0.0200	0.0195		mg/Kg		98	80 - 125
Methylcyclohexane	0.0200	0.0212		mg/Kg		106	79 - 133
Methylene Chloride	0.0200	0.0203		mg/Kg		102	76 - 127
m-Xylene & p-Xylene	0.0200	0.0210		mg/Kg		105	80 - 120
o-Xylene	0.0200	0.0209		mg/Kg		104	80 - 120
Styrene	0.0200	0.0192		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0223		mg/Kg		112	78 - 123
Toluene	0.0200	0.0209		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0152		mg/Kg		76	68 - 120

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

Lab Sample ID: LCS 460-777883/3
Matrix: Solid
Analysis Batch: 777883

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0217		mg/Kg		108	79 - 120
Trichlorofluoromethane	0.0200	0.0199		mg/Kg		99	67 - 142
Vinyl chloride	0.0200	0.0199		mg/Kg		99	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
4-Bromofluorobenzene	*104*		*70 - 139*
Dibromofluoromethane (Surr)	*106*		*48 - 150*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: LCSD 460-777883/4
Matrix: Solid
Analysis Batch: 777883

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0191		mg/Kg		95	78 - 132	0	30
1,1,2,2-Tetrachloroethane	0.0200	0.0181		mg/Kg		91	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0242		mg/Kg		121	78 - 136	1	30
1,1,2-Trichloroethane	0.0200	0.0193		mg/Kg		97	75 - 120	2	30
1,1-Dichloroethane	0.0200	0.0191		mg/Kg		96	76 - 129	2	30
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	77 - 132	2	30
1,2,3-Trichlorobenzene	0.0200	0.0203		mg/Kg		101	65 - 144	5	30
1,2,4-Trichlorobenzene	0.0200	0.0209		mg/Kg		105	75 - 120	6	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0130		mg/Kg		65	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0173		mg/Kg		86	70 - 132	2	30
1,2-Dichloropropane	0.0200	0.0185		mg/Kg		92	73 - 124	4	30
1,3-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120	1	30
2-Butanone (MEK)	0.100	0.111		mg/Kg		111	75 - 120	7	30
2-Hexanone	0.100	0.0856		mg/Kg		86	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0918		mg/Kg		92	80 - 122	2	30
Acetone	0.100	0.0850		mg/Kg		85	63 - 131	2	30
Benzene	0.0200	0.0196		mg/Kg		98	80 - 123	6	30
Bromoform	0.0200	0.0114		mg/Kg		57	48 - 142	3	30
Bromomethane	0.0200	0.0189		mg/Kg		94	46 - 150	3	30
Carbon disulfide	0.0200	0.0191		mg/Kg		95	67 - 136	5	30
Carbon tetrachloride	0.0200	0.0158		mg/Kg		79	72 - 136	1	30
Chlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	3	30
Chlorobromomethane	0.0200	0.0195		mg/Kg		98	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0133		mg/Kg		66	62 - 128	4	30
Chloroethane	0.0200	0.0174		mg/Kg		87	49 - 150	8	30
Chloroform	0.0200	0.0193		mg/Kg		96	79 - 126	4	30
Chloromethane	0.0200	0.0170		mg/Kg		85	48 - 150	8	30
cis-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	80 - 123	3	30
cis-1,3-Dichloropropene	0.0200	0.0169		mg/Kg		85	72 - 120	2	30
Cyclohexane	0.0200	0.0210		mg/Kg		105	80 - 132	4	30
Dichlorobromomethane	0.0200	0.0157		mg/Kg		79	73 - 124	3	30

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

Lab Sample ID: LCSD 460-777883/4
Matrix: Solid
Analysis Batch: 777883

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	0.0200	0.0194		mg/Kg		97	40 - 146	6	30
Ethylbenzene	0.0200	0.0200		mg/Kg		100	80 - 120	6	30
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120	4	30
Isopropylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120	5	30
Methyl acetate	0.0400	0.0403		mg/Kg		101	58 - 143	9	30
Methyl tert-butyl ether	0.0200	0.0195		mg/Kg		98	80 - 125	0	30
Methylcyclohexane	0.0200	0.0206		mg/Kg		103	79 - 133	3	30
Methylene Chloride	0.0200	0.0194		mg/Kg		97	76 - 127	5	30
m-Xylene & p-Xylene	0.0200	0.0202		mg/Kg		101	80 - 120	4	30
o-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120	4	30
Styrene	0.0200	0.0186		mg/Kg		93	80 - 120	3	30
Tetrachloroethene	0.0200	0.0208		mg/Kg		104	78 - 123	7	30
Toluene	0.0200	0.0202		mg/Kg		101	80 - 120	3	30
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	78 - 128	4	30
trans-1,3-Dichloropropene	0.0200	0.0155		mg/Kg		77	68 - 120	2	30
Trichloroethene	0.0200	0.0206		mg/Kg		103	79 - 120	5	30
Trichlorofluoromethane	0.0200	0.0196		mg/Kg		98	67 - 142	2	30
Vinyl chloride	0.0200	0.0193		mg/Kg		96	56 - 147	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 460-777898/9
Matrix: Solid
Analysis Batch: 777898

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/14/21 10:28	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/14/21 10:28	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/14/21 10:28	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/14/21 10:28	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/14/21 10:28	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/14/21 10:28	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/14/21 10:28	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/14/21 10:28	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/14/21 10:28	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/14/21 10:28	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/14/21 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/14/21 10:28*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/14/21 10:28*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*05/14/21 10:28*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/14/21 10:28*	*1*

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

Lab Sample ID: LCS 460-777898/4
Matrix: Solid
Analysis Batch: 777898

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0180		mg/L		90	68 - 133		
1,2-Dichloroethane			0.0200	0.0195		mg/L		97	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0196		mg/L		98	80 - 118		
2-Butanone (MEK)			0.100	0.0959		mg/L		96	69 - 128		
Benzene			0.0200	0.0201		mg/L		100	78 - 126		
Carbon tetrachloride			0.0200	0.0315	*	mg/L		158	56 - 131		
Chlorobenzene			0.0200	0.0195		mg/L		98	80 - 119		
Chloroform			0.0200	0.0197		mg/L		98	78 - 125		
Tetrachloroethene			0.0200	0.0209		mg/L		105	70 - 127		
Trichloroethene			0.0200	0.0197		mg/L		98	71 - 121		
Vinyl chloride			0.0200	0.0194		mg/L		97	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-777898/5
Matrix: Solid
Analysis Batch: 777898

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0174		mg/L		87	68 - 133	4	30
1,2-Dichloroethane			0.0200	0.0188		mg/L		94	75 - 121	3	30
1,4-Dichlorobenzene			0.0200	0.0194		mg/L		97	80 - 118	1	30
2-Butanone (MEK)			0.100	0.0921		mg/L		92	69 - 128	4	30
Benzene			0.0200	0.0200		mg/L		100	78 - 126	0	30
Carbon tetrachloride			0.0200	0.0312	*	mg/L		156	56 - 131	1	30
Chlorobenzene			0.0200	0.0195		mg/L		98	80 - 119	0	30
Chloroform			0.0200	0.0196		mg/L		98	78 - 125	1	30
Tetrachloroethene			0.0200	0.0208		mg/L		104	70 - 127	1	30
Trichloroethene			0.0200	0.0191		mg/L		95	71 - 121	3	30
Vinyl chloride			0.0200	0.0192		mg/L		96	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-777922/8
Matrix: Solid
Analysis Batch: 777922

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/14/21 11:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/14/21 11:18	1

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

Lab Sample ID: MB 460-777922/8
Matrix: Solid
Analysis Batch: 777922

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/14/21 11:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/14/21 11:18	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/14/21 11:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/14/21 11:18	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/14/21 11:18	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/14/21 11:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/14/21 11:18	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/14/21 11:18	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/14/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/14/21 11:18*	*1*
4-Bromofluorobenzene	*95*		*76 - 120*		*05/14/21 11:18*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/14/21 11:18*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/14/21 11:18*	*1*

Lab Sample ID: LCS 460-777922/3
Matrix: Solid
Analysis Batch: 777922

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0179		mg/L		89	68 - 133		
1,2-Dichloroethane			0.0200	0.0185		mg/L		93	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118		
2-Butanone (MEK)			0.100	0.101		mg/L		101	69 - 128		
Benzene			0.0200	0.0194		mg/L		97	78 - 126		
Carbon tetrachloride			0.0200	0.0209		mg/L		104	56 - 131		
Chlorobenzene			0.0200	0.0197		mg/L		98	80 - 119		
Chloroform			0.0200	0.0209		mg/L		104	78 - 125		
Tetrachloroethene			0.0200	0.0198		mg/L		99	70 - 127		
Trichloroethene			0.0200	0.0192		mg/L		96	71 - 121		
Vinyl chloride			0.0200	0.0191		mg/L		96	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-777922/4
Matrix: Solid
Analysis Batch: 777922

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0192		mg/L		96	68 - 133	7	30
1,2-Dichloroethane			0.0200	0.0193		mg/L		97	75 - 121	4	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118	0	30
2-Butanone (MEK)			0.100	0.105		mg/L		105	69 - 128	4	30

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

Lab Sample ID: LCSD 460-777922/4
Matrix: Solid
Analysis Batch: 777922

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0200	0.0191		mg/L		95	78 - 126	2	30
Carbon tetrachloride			0.0200	0.0199		mg/L		99	56 - 131	5	30
Chlorobenzene			0.0200	0.0200		mg/L		100	80 - 119	2	30
Chloroform			0.0200	0.0201		mg/L		101	78 - 125	4	30
Tetrachloroethene			0.0200	0.0199		mg/L		99	70 - 127	0	30
Trichloroethene			0.0200	0.0198		mg/L		99	71 - 121	3	30
Vinyl chloride			0.0200	0.0186		mg/L		93	61 - 144	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LB3 460-778089/1-A
Matrix: Solid
Analysis Batch: 778287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778089

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/14/21 20:50	05/16/21 21:26	1

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

Lab Sample ID: LB3 460-778089/1-A
Matrix: Solid
Analysis Batch: 778287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778089

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/14/21 20:50	05/16/21 21:26	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/14/21 20:50	05/16/21 21:26	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/14/21 20:50*	*05/16/21 21:26*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 145*	*05/14/21 20:50*	*05/16/21 21:26*	*1*
4-Bromofluorobenzene	*109*		*70 - 139*	*05/14/21 20:50*	*05/16/21 21:26*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*05/14/21 20:50*	*05/16/21 21:26*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*05/14/21 20:50*	*05/16/21 21:26*	*1*

Lab Sample ID: LB3 460-778182/1-A
Matrix: Solid
Analysis Batch: 778358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778182

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/15/21 14:35	05/17/21 07:07	1

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

Lab Sample ID: LB3 460-778182/1-A
Matrix: Solid
Analysis Batch: 778358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778182

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/15/21 14:35	05/17/21 07:07	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/15/21 14:35	05/17/21 07:07	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/15/21 14:35*	*05/17/21 07:07*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*	*05/15/21 14:35*	*05/17/21 07:07*	*1*
4-Bromofluorobenzene	*97*		*70 - 139*	*05/15/21 14:35*	*05/17/21 07:07*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*	*05/15/21 14:35*	*05/17/21 07:07*	*1*

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

Lab Sample ID: LB3 460-778182/1-A
Matrix: Solid
Analysis Batch: 778358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778182

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120	05/15/21 14:35	05/17/21 07:07	1

Lab Sample ID: MB 460-778221/7
Matrix: Solid
Analysis Batch: 778221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/15/21 20:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/15/21 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/15/21 20:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/15/21 20:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/15/21 20:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/15/21 20:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/15/21 20:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/15/21 20:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/15/21 20:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/15/21 20:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/15/21 20:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/15/21 20:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/15/21 20:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/15/21 20:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/15/21 20:45	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/15/21 20:45	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/15/21 20:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/15/21 20:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/15/21 20:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/15/21 20:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/15/21 20:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/15/21 20:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/15/21 20:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/15/21 20:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/15/21 20:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/15/21 20:45	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/15/21 20:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/15/21 20:45	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/15/21 20:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/15/21 20:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/15/21 20:45	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/15/21 20:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/15/21 20:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/15/21 20:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/15/21 20:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/15/21 20:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/15/21 20:45	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/15/21 20:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/15/21 20:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/15/21 20:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/15/21 20:45	1

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

Lab Sample ID: MB 460-778221/7
Matrix: Solid
Analysis Batch: 778221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/15/21 20:45	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/15/21 20:45	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/15/21 20:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/15/21 20:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/15/21 20:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/15/21 20:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/15/21 20:45	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/15/21 20:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/15/21 20:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/15/21 20:45	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/15/21 20:45*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*		*05/15/21 20:45*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*		*05/15/21 20:45*	*1*
Dibromofluoromethane (Surr)	*110*		*48 - 150*		*05/15/21 20:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/15/21 20:45*	*1*

Lab Sample ID: LCS 460-778221/3
Matrix: Solid
Analysis Batch: 778221

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0192		mg/Kg		96	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0244		mg/Kg		122	78 - 136
1,1,2-Trichloroethane	0.0200	0.0199		mg/Kg		100	75 - 120
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		102	76 - 129
1,1-Dichloroethene	0.0200	0.0210		mg/Kg		105	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0224		mg/Kg		112	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0141		mg/Kg		70	60 - 126
1,2-Dichlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 132
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		97	73 - 124
1,3-Dichlorobenzene	0.0200	0.0222		mg/Kg		111	80 - 120
1,4-Dichlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120
2-Butanone (MEK)	0.100	0.120		mg/Kg		120	75 - 120
2-Hexanone	0.100	0.0875		mg/Kg		87	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0948		mg/Kg		95	80 - 122
Acetone	0.100	0.0905		mg/Kg		90	63 - 131
Benzene	0.0200	0.0218		mg/Kg		109	80 - 123
Bromoform	0.0200	0.0137		mg/Kg		69	48 - 142
Bromomethane	0.0200	0.0199		mg/Kg		100	46 - 150
Carbon disulfide	0.0200	0.0212		mg/Kg		106	67 - 136

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

Lab Sample ID: LCS 460-778221/3
Matrix: Solid
Analysis Batch: 778221

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0200	0.0170		mg/Kg		85	72 - 136
Chlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0150		mg/Kg		75	62 - 128
Chloroethane	0.0200	0.0189		mg/Kg		95	49 - 150
Chloroform	0.0200	0.0211		mg/Kg		105	79 - 126
Chloromethane	0.0200	0.0186		mg/Kg		93	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0221		mg/Kg		110	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0171		mg/Kg		86	72 - 120
Cyclohexane	0.0200	0.0215		mg/Kg		108	80 - 132
Dichlorobromomethane	0.0200	0.0173		mg/Kg		87	73 - 124
Dichlorodifluoromethane	0.0200	0.0172		mg/Kg		86	40 - 146
Ethylbenzene	0.0200	0.0213		mg/Kg		107	80 - 120
Ethylene Dibromide	0.0200	0.0195		mg/Kg		98	79 - 120
Isopropylbenzene	0.0200	0.0226		mg/Kg		113	80 - 120
Methyl acetate	0.0400	0.0442		mg/Kg		111	58 - 143
Methyl tert-butyl ether	0.0200	0.0208		mg/Kg		104	80 - 125
Methylcyclohexane	0.0200	0.0215		mg/Kg		108	79 - 133
Methylene Chloride	0.0200	0.0207		mg/Kg		103	76 - 127
m-Xylene & p-Xylene	0.0200	0.0217		mg/Kg		108	80 - 120
o-Xylene	0.0200	0.0218		mg/Kg		109	80 - 120
Styrene	0.0200	0.0204		mg/Kg		102	80 - 120
Tetrachloroethene	0.0200	0.0221		mg/Kg		110	78 - 123
Toluene	0.0200	0.0210		mg/Kg		105	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0154		mg/Kg		77	68 - 120
Trichloroethene	0.0200	0.0225		mg/Kg		112	79 - 120
Trichlorofluoromethane	0.0200	0.0199		mg/Kg		99	67 - 142
Vinyl chloride	0.0200	0.0199		mg/Kg		100	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*
4-Bromofluorobenzene	*107*		*70 - 139*
Dibromofluoromethane (Surr)	*109*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-778221/4
Matrix: Solid
Analysis Batch: 778221

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0187		mg/Kg		94	78 - 132	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0177		mg/Kg		89	69 - 123	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0229		mg/Kg		115	78 - 136	6	30
1,1,2-Trichloroethane	0.0200	0.0185		mg/Kg		92	75 - 120	8	30
1,1-Dichloroethane	0.0200	0.0188		mg/Kg		94	76 - 129	9	30
1,1-Dichloroethene	0.0200	0.0197		mg/Kg		99	77 - 132	6	30
1,2,3-Trichlorobenzene	0.0200	0.0205		mg/Kg		103	65 - 144	8	30

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

Lab Sample ID: LCSD 460-778221/4
Matrix: Solid
Analysis Batch: 778221

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0200	0.0209		mg/Kg		105	75 - 120	7	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0139		mg/Kg		70	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0173		mg/Kg		86	70 - 132	3	30
1,2-Dichloropropane	0.0200	0.0178		mg/Kg		89	73 - 124	8	30
1,3-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	9	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	7	30
2-Butanone (MEK)	0.100	0.110		mg/Kg		110	75 - 120	8	30
2-Hexanone	0.100	0.0806		mg/Kg		81	78 - 120	8	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0867		mg/Kg		87	80 - 122	9	30
Acetone	0.100	0.0828		mg/Kg		83	63 - 131	9	30
Benzene	0.0200	0.0204		mg/Kg		102	80 - 123	7	30
Bromoform	0.0200	0.0125		mg/Kg		62	48 - 142	10	30
Bromomethane	0.0200	0.0188		mg/Kg		94	46 - 150	6	30
Carbon disulfide	0.0200	0.0194		mg/Kg		97	67 - 136	9	30
Carbon tetrachloride	0.0200	0.0163		mg/Kg		81	72 - 136	5	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	8	30
Chlorobromomethane	0.0200	0.0193		mg/Kg		96	76 - 127	7	30
Chlorodibromomethane	0.0200	0.0140		mg/Kg		70	62 - 128	7	30
Chloroethane	0.0200	0.0187		mg/Kg		94	49 - 150	1	30
Chloroform	0.0200	0.0195		mg/Kg		97	79 - 126	8	30
Chloromethane	0.0200	0.0178		mg/Kg		89	48 - 150	4	30
cis-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	80 - 123	10	30
cis-1,3-Dichloropropene	0.0200	0.0160		mg/Kg		80	72 - 120	7	30
Cyclohexane	0.0200	0.0206		mg/Kg		103	80 - 132	5	30
Dichlorobromomethane	0.0200	0.0163		mg/Kg		82	73 - 124	6	30
Dichlorodifluoromethane	0.0200	0.0163		mg/Kg		82	40 - 146	5	30
Ethylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120	8	30
Ethylene Dibromide	0.0200	0.0180		mg/Kg		90	79 - 120	8	30
Isopropylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120	9	30
Methyl acetate	0.0400	0.0410		mg/Kg		103	58 - 143	7	30
Methyl tert-butyl ether	0.0200	0.0193		mg/Kg		96	80 - 125	8	30
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133	7	30
Methylene Chloride	0.0200	0.0190		mg/Kg		95	76 - 127	9	30
m-Xylene & p-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120	8	30
o-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120	10	30
Styrene	0.0200	0.0185		mg/Kg		93	80 - 120	9	30
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	78 - 123	7	30
Toluene	0.0200	0.0190		mg/Kg		95	80 - 120	10	30
trans-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	78 - 128	8	30
trans-1,3-Dichloropropene	0.0200	0.0141		mg/Kg		70	68 - 120	9	30
Trichloroethene	0.0200	0.0205		mg/Kg		103	79 - 120	9	30
Trichlorofluoromethane	0.0200	0.0200		mg/Kg		100	67 - 142	0	30
Vinyl chloride	0.0200	0.0191		mg/Kg		96	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*107*		*70 - 139*

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

Lab Sample ID: LCSD 460-778221/4
Matrix: Solid
Analysis Batch: 778221

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*111*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 460-778255/8
Matrix: Solid
Analysis Batch: 778255

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/16/21 18:04	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/16/21 18:04	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/16/21 18:04	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/16/21 18:04	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/16/21 18:04	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/16/21 18:04	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/16/21 18:04	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/16/21 18:04	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/16/21 18:04	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/16/21 18:04	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/16/21 18:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*05/16/21 18:04*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*05/16/21 18:04*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*05/16/21 18:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/16/21 18:04*	*1*

Lab Sample ID: LCS 460-778255/3
Matrix: Solid
Analysis Batch: 778255

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0176		mg/L		88	68 - 133
1,2-Dichloroethane	0.0200	0.0198		mg/L		99	75 - 121
1,4-Dichlorobenzene	0.0200	0.0207		mg/L		103	80 - 118
2-Butanone (MEK)	0.100	0.105		mg/L		105	69 - 128
Benzene	0.0200	0.0211		mg/L		105	78 - 126
Carbon tetrachloride	0.0200	0.0339	*	mg/L		170	56 - 131
Chlorobenzene	0.0200	0.0204		mg/L		102	80 - 119
Chloroform	0.0200	0.0209		mg/L		105	78 - 125
Tetrachloroethene	0.0200	0.0215		mg/L		107	70 - 127
Trichloroethene	0.0200	0.0208		mg/L		104	71 - 121
Vinyl chloride	0.0200	0.0207		mg/L		103	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 460-778255/4
Matrix: Solid
Analysis Batch: 778255

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0172		mg/L		86	68 - 133	3	30
1,2-Dichloroethane			0.0200	0.0197		mg/L		98	75 - 121	0	30
1,4-Dichlorobenzene			0.0200	0.0205		mg/L		103	80 - 118	1	30
2-Butanone (MEK)			0.100	0.109		mg/L		109	69 - 128	4	30
Benzene			0.0200	0.0204		mg/L		102	78 - 126	3	30
Carbon tetrachloride			0.0200	0.0328	*	mg/L		164	56 - 131	3	30
Chlorobenzene			0.0200	0.0202		mg/L		101	80 - 119	1	30
Chloroform			0.0200	0.0204		mg/L		102	78 - 125	3	30
Tetrachloroethene			0.0200	0.0214		mg/L		107	70 - 127	0	30
Trichloroethene			0.0200	0.0205		mg/L		103	71 - 121	1	30
Vinyl chloride			0.0200	0.0205		mg/L		102	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 460-778287/7
Matrix: Solid
Analysis Batch: 778287

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/16/21 21:02	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/16/21 21:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/16/21 21:02	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/16/21 21:02	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/16/21 21:02	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/16/21 21:02	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/16/21 21:02	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/16/21 21:02	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/16/21 21:02	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/16/21 21:02	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/16/21 21:02	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/16/21 21:02	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/16/21 21:02	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/16/21 21:02	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/16/21 21:02	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/16/21 21:02	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/16/21 21:02	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/16/21 21:02	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/16/21 21:02	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/16/21 21:02	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/16/21 21:02	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/16/21 21:02	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/16/21 21:02	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/16/21 21:02	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/16/21 21:02	1

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

Lab Sample ID: MB 460-778287/7
Matrix: Solid
Analysis Batch: 778287

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/16/21 21:02	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/16/21 21:02	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/16/21 21:02	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/16/21 21:02	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/16/21 21:02	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/16/21 21:02	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/16/21 21:02	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/16/21 21:02	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/16/21 21:02	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/16/21 21:02	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/16/21 21:02	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/16/21 21:02	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/16/21 21:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/16/21 21:02	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/16/21 21:02	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/16/21 21:02	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/16/21 21:02	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/16/21 21:02	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/16/21 21:02	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/16/21 21:02	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/16/21 21:02	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/16/21 21:02	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/16/21 21:02	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/16/21 21:02	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/16/21 21:02	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/16/21 21:02	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/16/21 21:02*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*		*05/16/21 21:02*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*		*05/16/21 21:02*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*		*05/16/21 21:02*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/16/21 21:02*	*1*

Lab Sample ID: LCS 460-778287/3
Matrix: Solid
Analysis Batch: 778287

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0184		mg/Kg		92	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0239		mg/Kg		120	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0189		mg/Kg		95	78 - 136
1,1,2-Trichloroethane	0.0200	0.0218		mg/Kg		109	75 - 120
1,1-Dichloroethane	0.0200	0.0182		mg/Kg		91	76 - 129
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		95	77 - 132

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

Lab Sample ID: LCS 460-778287/3
Matrix: Solid
Analysis Batch: 778287

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	0.0200	0.0227		mg/Kg		113	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0249		mg/Kg		124	60 - 126
1,2-Dichlorobenzene	0.0200	0.0226		mg/Kg		113	80 - 120
1,2-Dichloroethane	0.0200	0.0204		mg/Kg		102	70 - 132
1,2-Dichloropropane	0.0200	0.0179		mg/Kg		90	73 - 124
1,3-Dichlorobenzene	0.0200	0.0216		mg/Kg		108	80 - 120
1,4-Dichlorobenzene	0.0200	0.0211		mg/Kg		105	80 - 120
2-Butanone (MEK)	0.100	0.125	*	mg/Kg		125	75 - 120
2-Hexanone	0.100	0.135	*	mg/Kg		135	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.131	*	mg/Kg		131	80 - 122
Acetone	0.100	0.0968		mg/Kg		97	63 - 131
Benzene	0.0200	0.0189		mg/Kg		95	80 - 123
Bromoform	0.0200	0.0258		mg/Kg		129	48 - 142
Bromomethane	0.0200	0.0196		mg/Kg		98	46 - 150
Carbon disulfide	0.0200	0.0214		mg/Kg		107	67 - 136
Carbon tetrachloride	0.0200	0.0191		mg/Kg		96	72 - 136
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Chlorobromomethane	0.0200	0.0196		mg/Kg		98	76 - 127
Chlorodibromomethane	0.0200	0.0232		mg/Kg		116	62 - 128
Chloroethane	0.0200	0.0186		mg/Kg		93	49 - 150
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126
Chloromethane	0.0200	0.0168		mg/Kg		84	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	72 - 120
Cyclohexane	0.0200	0.0189		mg/Kg		94	80 - 132
Dichlorobromomethane	0.0200	0.0206		mg/Kg		103	73 - 124
Dichlorodifluoromethane	0.0200	0.0173		mg/Kg		86	40 - 146
Ethylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Ethylene Dibromide	0.0200	0.0228		mg/Kg		114	79 - 120
Isopropylbenzene	0.0200	0.0207		mg/Kg		103	80 - 120
Methyl acetate	0.0400	0.0419		mg/Kg		105	58 - 143
Methyl tert-butyl ether	0.0200	0.0220		mg/Kg		110	80 - 125
Methylcyclohexane	0.0200	0.0184		mg/Kg		92	79 - 133
Methylene Chloride	0.0200	0.0187		mg/Kg		94	76 - 127
m-Xylene & p-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120
o-Xylene	0.0200	0.0209		mg/Kg		105	80 - 120
Styrene	0.0200	0.0219		mg/Kg		110	80 - 120
Tetrachloroethene	0.0200	0.0190		mg/Kg		95	78 - 123
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0216		mg/Kg		108	68 - 120
Trichloroethene	0.0200	0.0184		mg/Kg		92	79 - 120
Trichlorofluoromethane	0.0200	0.0185		mg/Kg		92	67 - 142
Vinyl chloride	0.0200	0.0181		mg/Kg		90	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*

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

Lab Sample ID: LCS 460-778287/3
Matrix: Solid
Analysis Batch: 778287

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-778287/4
Matrix: Solid
Analysis Batch: 778287

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0184		mg/Kg		92	78 - 132	0	30
1,1,2,2-Tetrachloroethane			0.0200	0.0242		mg/Kg		121	69 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0190		mg/Kg		95	78 - 136	1	30
1,1,2-Trichloroethane			0.0200	0.0224		mg/Kg		112	75 - 120	3	30
1,1-Dichloroethane			0.0200	0.0179		mg/Kg		90	76 - 129	2	30
1,1-Dichloroethene			0.0200	0.0193		mg/Kg		96	77 - 132	1	30
1,2,3-Trichlorobenzene			0.0200	0.0237		mg/Kg		119	65 - 144	4	30
1,2,4-Trichlorobenzene			0.0200	0.0224		mg/Kg		112	75 - 120	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0249		mg/Kg		125	60 - 126	0	30
1,2-Dichlorobenzene			0.0200	0.0228		mg/Kg		114	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0203		mg/Kg		102	70 - 132	0	30
1,2-Dichloropropane			0.0200	0.0185		mg/Kg		93	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0208		mg/Kg		104	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0209		mg/Kg		104	80 - 120	1	30
2-Butanone (MEK)			0.100	0.127	*	mg/Kg		127	75 - 120	1	30
2-Hexanone			0.100	0.136	*	mg/Kg		136	78 - 120	0	30
4-Methyl-2-pentanone (MIBK)			0.100	0.134	*	mg/Kg		134	80 - 122	3	30
Acetone			0.100	0.0995		mg/Kg		99	63 - 131	3	30
Benzene			0.0200	0.0190		mg/Kg		95	80 - 123	0	30
Bromoform			0.0200	0.0260		mg/Kg		130	48 - 142	1	30
Bromomethane			0.0200	0.0204		mg/Kg		102	46 - 150	4	30
Carbon disulfide			0.0200	0.0212		mg/Kg		106	67 - 136	1	30
Carbon tetrachloride			0.0200	0.0190		mg/Kg		95	72 - 136	1	30
Chlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	2	30
Chlorobromomethane			0.0200	0.0199		mg/Kg		100	76 - 127	1	30
Chlorodibromomethane			0.0200	0.0225		mg/Kg		112	62 - 128	3	30
Chloroethane			0.0200	0.0177		mg/Kg		88	49 - 150	5	30
Chloroform			0.0200	0.0193		mg/Kg		97	79 - 126	1	30
Chloromethane			0.0200	0.0177		mg/Kg		88	48 - 150	5	30
cis-1,2-Dichloroethene			0.0200	0.0192		mg/Kg		96	80 - 123	4	30
cis-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	72 - 120	2	30
Cyclohexane			0.0200	0.0179		mg/Kg		90	80 - 132	5	30
Dichlorobromomethane			0.0200	0.0201		mg/Kg		101	73 - 124	2	30
Dichlorodifluoromethane			0.0200	0.0163		mg/Kg		82	40 - 146	6	30
Ethylbenzene			0.0200	0.0193		mg/Kg		97	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0219		mg/Kg		109	79 - 120	4	30
Isopropylbenzene			0.0200	0.0207		mg/Kg		103	80 - 120	0	30
Methyl acetate			0.0400	0.0448		mg/Kg		112	58 - 143	7	30
Methyl tert-butyl ether			0.0200	0.0224		mg/Kg		112	80 - 125	2	30

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

Lab Sample ID: LCSD 460-778287/4
Matrix: Solid
Analysis Batch: 778287

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylcyclohexane	0.0200	0.0196		mg/Kg		98	79 - 133	6	30
Methylene Chloride	0.0200	0.0190		mg/Kg		95	76 - 127	2	30
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120	7	30
o-Xylene	0.0200	0.0206		mg/Kg		103	80 - 120	1	30
Styrene	0.0200	0.0210		mg/Kg		105	80 - 120	4	30
Tetrachloroethene	0.0200	0.0190		mg/Kg		95	78 - 123	0	30
Toluene	0.0200	0.0191		mg/Kg		96	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	78 - 128	2	30
trans-1,3-Dichloropropene	0.0200	0.0209		mg/Kg		105	68 - 120	3	30
Trichloroethene	0.0200	0.0189		mg/Kg		95	79 - 120	3	30
Trichlorofluoromethane	0.0200	0.0174		mg/Kg		87	67 - 142	6	30
Vinyl chloride	0.0200	0.0182		mg/Kg		91	56 - 147	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*98*		*48 - 150*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 460-778358/7
Matrix: Solid
Analysis Batch: 778358

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 06:43	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/17/21 06:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/17/21 06:43	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 06:43	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/17/21 06:43	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 06:43	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 06:43	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 06:43	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/17/21 06:43	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 06:43	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/17/21 06:43	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/17/21 06:43	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/17/21 06:43	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 06:43	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/17/21 06:43	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/17/21 06:43	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/17/21 06:43	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/17/21 06:43	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/17/21 06:43	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/17/21 06:43	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/17/21 06:43	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 06:43	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/17/21 06:43	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 06:43	1

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

Lab Sample ID: MB 460-778358/7
Matrix: Solid
Analysis Batch: 778358

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/17/21 06:43	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/17/21 06:43	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/17/21 06:43	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/17/21 06:43	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/17/21 06:43	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 06:43	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 06:43	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/17/21 06:43	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/17/21 06:43	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/17/21 06:43	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/17/21 06:43	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 06:43	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/17/21 06:43	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/17/21 06:43	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/17/21 06:43	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/17/21 06:43	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/17/21 06:43	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/17/21 06:43	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/17/21 06:43	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/17/21 06:43	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/17/21 06:43	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 06:43	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/17/21 06:43	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 06:43	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/17/21 06:43	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/17/21 06:43	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/17/21 06:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/17/21 06:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*		*05/17/21 06:43*	*1*
4-Bromofluorobenzene	*93*		*70 - 139*		*05/17/21 06:43*	*1*
Dibromofluoromethane (Surr)	*96*		*48 - 150*		*05/17/21 06:43*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/17/21 06:43*	*1*

Lab Sample ID: LCS 460-778358/3
Matrix: Solid
Analysis Batch: 778358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0206		mg/Kg		103	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0191		mg/Kg		95	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0202		mg/Kg		101	78 - 136
1,1,2-Trichloroethane	0.0200	0.0193		mg/Kg		97	75 - 120
1,1-Dichloroethane	0.0200	0.0212		mg/Kg		106	76 - 129

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

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

Lab Sample ID: LCS 460-778358/3
Matrix: Solid
Analysis Batch: 778358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0216		mg/Kg		108	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0191		mg/Kg		95	60 - 126
1,2-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 132
1,2-Dichloropropane	0.0200	0.0197		mg/Kg		98	73 - 124
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0877		mg/Kg		88	75 - 120
2-Hexanone	0.100	0.0882		mg/Kg		88	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0937		mg/Kg		94	80 - 122
Acetone	0.100	0.0857		mg/Kg		86	63 - 131
Benzene	0.0200	0.0201		mg/Kg		101	80 - 123
Bromoform	0.0200	0.0153		mg/Kg		77	48 - 142
Bromomethane	0.0200	0.0329	*	mg/Kg		164	46 - 150
Carbon disulfide	0.0200	0.0226		mg/Kg		113	67 - 136
Carbon tetrachloride	0.0200	0.0208		mg/Kg		104	72 - 136
Chlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Chlorobromomethane	0.0200	0.0199		mg/Kg		100	76 - 127
Chlorodibromomethane	0.0200	0.0187		mg/Kg		93	62 - 128
Chloroethane	0.0200	0.0201		mg/Kg		101	49 - 150
Chloroform	0.0200	0.0206		mg/Kg		103	79 - 126
Chloromethane	0.0200	0.0211		mg/Kg		105	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		98	72 - 120
Cyclohexane	0.0200	0.0196		mg/Kg		98	80 - 132
Dichlorobromomethane	0.0200	0.0194		mg/Kg		97	73 - 124
Dichlorodifluoromethane	0.0200	0.0203		mg/Kg		102	40 - 146
Ethylbenzene	0.0200	0.0189		mg/Kg		94	80 - 120
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Methyl acetate	0.0400	0.0443		mg/Kg		111	58 - 143
Methyl tert-butyl ether	0.0200	0.0203		mg/Kg		102	80 - 125
Methylcyclohexane	0.0200	0.0190		mg/Kg		95	79 - 133
Methylene Chloride	0.0200	0.0194		mg/Kg		97	76 - 127
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120
Styrene	0.0200	0.0191		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	78 - 123
Toluene	0.0200	0.0205		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		105	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	68 - 120
Trichloroethene	0.0200	0.0196		mg/Kg		98	79 - 120
Trichlorofluoromethane	0.0200	0.0210		mg/Kg		105	67 - 142
Vinyl chloride	0.0200	0.0214		mg/Kg		107	56 - 147

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

Lab Sample ID: LCS 460-778358/3
Matrix: Solid
Analysis Batch: 778358

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*99*		*48 - 150*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-778358/4
Matrix: Solid
Analysis Batch: 778358

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0204		mg/Kg		102	78 - 132	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0188		mg/Kg		94	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0203		mg/Kg		101	78 - 136	0	30
1,1,2-Trichloroethane			0.0200	0.0187		mg/Kg		93	75 - 120	3	30
1,1-Dichloroethane			0.0200	0.0210		mg/Kg		105	76 - 129	1	30
1,1-Dichloroethene			0.0200	0.0216		mg/Kg		108	77 - 132	0	30
1,2,3-Trichlorobenzene			0.0200	0.0195		mg/Kg		98	65 - 144	1	30
1,2,4-Trichlorobenzene			0.0200	0.0194		mg/Kg		97	75 - 120	3	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0200		mg/Kg		100	60 - 126	5	30
1,2-Dichlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0190		mg/Kg		95	70 - 132	1	30
1,2-Dichloropropane			0.0200	0.0191		mg/Kg		96	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0189		mg/Kg		94	80 - 120	0	30
2-Butanone (MEK)			0.100	0.0887		mg/Kg		89	75 - 120	1	30
2-Hexanone			0.100	0.0912		mg/Kg		91	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0946		mg/Kg		95	80 - 122	1	30
Acetone			0.100	0.0840		mg/Kg		84	63 - 131	2	30
Benzene			0.0200	0.0202		mg/Kg		101	80 - 123	0	30
Bromoform			0.0200	0.0155		mg/Kg		78	48 - 142	1	30
Bromomethane			0.0200	0.0304	*	mg/Kg		152	46 - 150	8	30
Carbon disulfide			0.0200	0.0236		mg/Kg		118	67 - 136	4	30
Carbon tetrachloride			0.0200	0.0209		mg/Kg		104	72 - 136	0	30
Chlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	1	30
Chlorobromomethane			0.0200	0.0200		mg/Kg		100	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0189		mg/Kg		94	62 - 128	1	30
Chloroethane			0.0200	0.0189		mg/Kg		94	49 - 150	6	30
Chloroform			0.0200	0.0204		mg/Kg		102	79 - 126	1	30
Chloromethane			0.0200	0.0195		mg/Kg		97	48 - 150	8	30
cis-1,2-Dichloroethene			0.0200	0.0204		mg/Kg		102	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0198		mg/Kg		99	72 - 120	1	30
Cyclohexane			0.0200	0.0194		mg/Kg		97	80 - 132	1	30
Dichlorobromomethane			0.0200	0.0194		mg/Kg		97	73 - 124	0	30
Dichlorodifluoromethane			0.0200	0.0191		mg/Kg		96	40 - 146	6	30
Ethylbenzene			0.0200	0.0188		mg/Kg		94	80 - 120	0	30
Ethylene Dibromide			0.0200	0.0182		mg/Kg		91	79 - 120	2	30
Isopropylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120	1	30
Methyl acetate			0.0400	0.0424		mg/Kg		106	58 - 143	4	30

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

Lab Sample ID: LCSD 460-778358/4
Matrix: Solid
Analysis Batch: 778358

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			0.0200	0.0196		mg/Kg		98	80 - 125	4	30
Methylcyclohexane			0.0200	0.0189		mg/Kg		95	79 - 133	0	30
Methylene Chloride			0.0200	0.0192		mg/Kg		96	76 - 127	1	30
m-Xylene & p-Xylene			0.0200	0.0190		mg/Kg		95	80 - 120	1	30
o-Xylene			0.0200	0.0188		mg/Kg		94	80 - 120	0	30
Styrene			0.0200	0.0188		mg/Kg		94	80 - 120	2	30
Tetrachloroethene			0.0200	0.0195		mg/Kg		97	78 - 123	0	30
Toluene			0.0200	0.0200		mg/Kg		100	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0206		mg/Kg		103	78 - 128	2	30
trans-1,3-Dichloropropene			0.0200	0.0187		mg/Kg		94	68 - 120	1	30
Trichloroethene			0.0200	0.0195		mg/Kg		97	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0199		mg/Kg		99	67 - 142	5	30
Vinyl chloride			0.0200	0.0201		mg/Kg		100	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 145*
4-Bromofluorobenzene	*88*		*70 - 139*
Dibromofluoromethane (Surr)	*94*		*48 - 150*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: MB 460-778385/8
Matrix: Solid
Analysis Batch: 778385

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 11:30	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/17/21 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/17/21 11:30	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 11:30	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/17/21 11:30	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 11:30	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 11:30	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 11:30	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/17/21 11:30	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 11:30	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/17/21 11:30	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/17/21 11:30	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/17/21 11:30	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 11:30	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/17/21 11:30	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/17/21 11:30	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/17/21 11:30	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/17/21 11:30	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/17/21 11:30	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/17/21 11:30	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/17/21 11:30	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 11:30	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/17/21 11:30	1

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

Lab Sample ID: MB 460-778385/8
Matrix: Solid
Analysis Batch: 778385

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 11:30	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/17/21 11:30	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/17/21 11:30	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/17/21 11:30	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/17/21 11:30	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/17/21 11:30	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/17/21 11:30	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 11:30	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/17/21 11:30	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/17/21 11:30	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/17/21 11:30	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/17/21 11:30	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/17/21 11:30	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/17/21 11:30	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/17/21 11:30	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/17/21 11:30	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/17/21 11:30	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/17/21 11:30	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/17/21 11:30	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/17/21 11:30	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/17/21 11:30	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/17/21 11:30	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/17/21 11:30	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/17/21 11:30	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/17/21 11:30	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/17/21 11:30	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/17/21 11:30	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/17/21 11:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/17/21 11:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*		*05/17/21 11:30*	*1*
4-Bromofluorobenzene	*116*		*70 - 139*		*05/17/21 11:30*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*		*05/17/21 11:30*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/17/21 11:30*	*1*

Lab Sample ID: LCS 460-778385/4
Matrix: Solid
Analysis Batch: 778385

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0166		mg/Kg		83	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0209		mg/Kg		104	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0165		mg/Kg		83	78 - 136
1,1,2-Trichloroethane	0.0200	0.0207		mg/Kg		104	75 - 120

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

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

Lab Sample ID: LCS 460-778385/4
Matrix: Solid
Analysis Batch: 778385

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.0200	0.0170		mg/Kg		85	76 - 129
1,1-Dichloroethene	0.0200	0.0165		mg/Kg		83	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0189		mg/Kg		94	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0190		mg/Kg		95	60 - 126
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0209		mg/Kg		104	70 - 132
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	73 - 124
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.110		mg/Kg		110	75 - 120
2-Hexanone	0.100	0.128	*	mg/Kg		128	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.129	*	mg/Kg		129	80 - 122
Acetone	0.100	0.0943		mg/Kg		94	63 - 131
Benzene	0.0200	0.0199		mg/Kg		100	80 - 123
Bromoform	0.0200	0.0211		mg/Kg		106	48 - 142
Bromomethane	0.0200	0.0194		mg/Kg		97	46 - 150
Carbon disulfide	0.0200	0.0172		mg/Kg		86	67 - 136
Carbon tetrachloride	0.0200	0.0168		mg/Kg		84	72 - 136
Chlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120
Chlorobromomethane	0.0200	0.0184		mg/Kg		92	76 - 127
Chlorodibromomethane	0.0200	0.0216		mg/Kg		108	62 - 128
Chloroethane	0.0200	0.0175		mg/Kg		87	49 - 150
Chloroform	0.0200	0.0176		mg/Kg		88	79 - 126
Chloromethane	0.0200	0.0164		mg/Kg		82	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0177		mg/Kg		89	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0206		mg/Kg		103	72 - 120
Cyclohexane	0.0200	0.0165		mg/Kg		83	80 - 132
Dichlorobromomethane	0.0200	0.0193		mg/Kg		97	73 - 124
Dichlorodifluoromethane	0.0200	0.0154		mg/Kg		77	40 - 146
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0200		mg/Kg		100	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Methyl acetate	0.0400	0.0438		mg/Kg		109	58 - 143
Methyl tert-butyl ether	0.0200	0.0205		mg/Kg		102	80 - 125
Methylcyclohexane	0.0200	0.0183		mg/Kg		92	79 - 133
Methylene Chloride	0.0200	0.0170		mg/Kg		85	76 - 127
m-Xylene & p-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120
o-Xylene	0.0200	0.0190		mg/Kg		95	80 - 120
Styrene	0.0200	0.0200		mg/Kg		100	80 - 120
Tetrachloroethene	0.0200	0.0179		mg/Kg		90	78 - 123
Toluene	0.0200	0.0187		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0174		mg/Kg		87	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0212		mg/Kg		106	68 - 120
Trichloroethene	0.0200	0.0184		mg/Kg		92	79 - 120
Trichlorofluoromethane	0.0200	0.0159		mg/Kg		79	67 - 142
Vinyl chloride	0.0200	0.0165		mg/Kg		82	56 - 147

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

Lab Sample ID: LCS 460-778385/4
Matrix: Solid
Analysis Batch: 778385

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*96*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-778385/5
Matrix: Solid
Analysis Batch: 778385

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0158		mg/Kg		79	78 - 132	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0200		mg/Kg		100	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0163		mg/Kg		82	78 - 136	1	30
1,1,2-Trichloroethane			0.0200	0.0195		mg/Kg		97	75 - 120	6	30
1,1-Dichloroethane			0.0200	0.0161		mg/Kg		81	76 - 129	6	30
1,1-Dichloroethene			0.0200	0.0155		mg/Kg		77	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0182		mg/Kg		91	65 - 144	4	30
1,2,4-Trichlorobenzene			0.0200	0.0176		mg/Kg		88	75 - 120	8	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0187		mg/Kg		94	60 - 126	1	30
1,2-Dichlorobenzene			0.0200	0.0185		mg/Kg		92	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0181		mg/Kg		90	70 - 132	14	30
1,2-Dichloropropane			0.0200	0.0186		mg/Kg		93	73 - 124	6	30
1,3-Dichlorobenzene			0.0200	0.0174		mg/Kg		87	80 - 120	8	30
1,4-Dichlorobenzene			0.0200	0.0177		mg/Kg		88	80 - 120	7	30
2-Butanone (MEK)			0.100	0.0910		mg/Kg		91	75 - 120	19	30
2-Hexanone			0.100	0.112		mg/Kg		112	78 - 120	14	30
4-Methyl-2-pentanone (MIBK)			0.100	0.112		mg/Kg		112	80 - 122	14	30
Acetone			0.100	0.0806		mg/Kg		81	63 - 131	16	30
Benzene			0.0200	0.0177		mg/Kg		89	80 - 123	12	30
Bromoform			0.0200	0.0193		mg/Kg		97	48 - 142	9	30
Bromomethane			0.0200	0.0207		mg/Kg		103	46 - 150	6	30
Carbon disulfide			0.0200	0.0167		mg/Kg		83	67 - 136	3	30
Carbon tetrachloride			0.0200	0.0160		mg/Kg		80	72 - 136	5	30
Chlorobenzene			0.0200	0.0174		mg/Kg		87	80 - 120	13	30
Chlorobromomethane			0.0200	0.0178		mg/Kg		89	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0182		mg/Kg		91	62 - 128	17	30
Chloroethane			0.0200	0.0173		mg/Kg		87	49 - 150	1	30
Chloroform			0.0200	0.0167		mg/Kg		84	79 - 126	5	30
Chloromethane			0.0200	0.0167		mg/Kg		84	48 - 150	2	30
cis-1,2-Dichloroethene			0.0200	0.0168		mg/Kg		84	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0183		mg/Kg		91	72 - 120	12	30
Cyclohexane			0.0200	0.0163		mg/Kg		82	80 - 132	1	30
Dichlorobromomethane			0.0200	0.0190		mg/Kg		95	73 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0166		mg/Kg		83	40 - 146	8	30
Ethylbenzene			0.0200	0.0166		mg/Kg		83	80 - 120	11	30
Ethylene Dibromide			0.0200	0.0186		mg/Kg		93	79 - 120	7	30
Isopropylbenzene			0.0200	0.0175		mg/Kg		88	80 - 120	12	30
Methyl acetate			0.0400	0.0407		mg/Kg		102	58 - 143	7	30

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

Lab Sample ID: LCSD 460-778385/5
Matrix: Solid
Analysis Batch: 778385

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			0.0200	0.0187		mg/Kg		94	80 - 125	9	30
Methylcyclohexane			0.0200	0.0177		mg/Kg		88	79 - 133	4	30
Methylene Chloride			0.0200	0.0161		mg/Kg		80	76 - 127	5	30
m-Xylene & p-Xylene			0.0200	0.0162		mg/Kg		81	80 - 120	17	30
o-Xylene			0.0200	0.0170		mg/Kg		85	80 - 120	11	30
Styrene			0.0200	0.0181		mg/Kg		90	80 - 120	10	30
Tetrachloroethene			0.0200	0.0163		mg/Kg		81	78 - 123	10	30
Toluene			0.0200	0.0168		mg/Kg		84	80 - 120	10	30
trans-1,2-Dichloroethene			0.0200	0.0159		mg/Kg		80	78 - 128	9	30
trans-1,3-Dichloropropene			0.0200	0.0189		mg/Kg		94	68 - 120	11	30
Trichloroethene			0.0200	0.0163		mg/Kg		82	79 - 120	12	30
Trichlorofluoromethane			0.0200	0.0168		mg/Kg		84	67 - 142	6	30
Vinyl chloride			0.0200	0.0169		mg/Kg		85	56 - 147	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
4-Bromofluorobenzene	*109*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 460-779010/8
Matrix: Solid
Analysis Batch: 779010

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/19/21 23:14	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/19/21 23:14	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/19/21 23:14	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/19/21 23:14	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/19/21 23:14	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/19/21 23:14	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/19/21 23:14	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/19/21 23:14	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/19/21 23:14	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/19/21 23:14	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/19/21 23:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*75 - 123*		*05/19/21 23:14*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*05/19/21 23:14*	*1*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*05/19/21 23:14*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/19/21 23:14*	*1*

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

Lab Sample ID: LCS 460-779010/4
Matrix: Solid
Analysis Batch: 779010

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0196		mg/L		98	68 - 133		
1,2-Dichloroethane			0.0200	0.0205		mg/L		103	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0203		mg/L		102	80 - 118		
2-Butanone (MEK)			0.100	0.0963		mg/L		96	69 - 128		
Benzene			0.0200	0.0210		mg/L		105	78 - 126		
Carbon tetrachloride			0.0200	0.0214		mg/L		107	56 - 131		
Chlorobenzene			0.0200	0.0213		mg/L		107	80 - 119		
Chloroform			0.0200	0.0216		mg/L		108	78 - 125		
Tetrachloroethene			0.0200	0.0210		mg/L		105	70 - 127		
Trichloroethene			0.0200	0.0212		mg/L		106	71 - 121		
Vinyl chloride			0.0200	0.0191		mg/L		96	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*
4-Bromofluorobenzene	*107*		*76 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-779010/5
Matrix: Solid
Analysis Batch: 779010

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0184		mg/L		92	68 - 133	6	30
1,2-Dichloroethane			0.0200	0.0214		mg/L		107	75 - 121	4	30
1,4-Dichlorobenzene			0.0200	0.0191		mg/L		95	80 - 118	6	30
2-Butanone (MEK)			0.100	0.101		mg/L		101	69 - 128	5	30
Benzene			0.0200	0.0195		mg/L		97	78 - 126	8	30
Carbon tetrachloride			0.0200	0.0199		mg/L		99	56 - 131	8	30
Chlorobenzene			0.0200	0.0201		mg/L		101	80 - 119	6	30
Chloroform			0.0200	0.0203		mg/L		101	78 - 125	6	30
Tetrachloroethene			0.0200	0.0182		mg/L		91	70 - 127	14	30
Trichloroethene			0.0200	0.0196		mg/L		98	71 - 121	8	30
Vinyl chloride			0.0200	0.0164		mg/L		82	61 - 144	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 123*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LB 460-777402/1-A
Matrix: Solid
Analysis Batch: 777661

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/13/21 16:25	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/13/21 16:25	10

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

Lab Sample ID: LB 460-777402/1-A
Matrix: Solid
Analysis Batch: 777661

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/13/21 16:25	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/13/21 16:25	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/13/21 16:25	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/13/21 16:25	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/13/21 16:25	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/13/21 16:25	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/13/21 16:25	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/13/21 16:25	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/13/21 16:25	10

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*		*05/13/21 16:25*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/13/21 16:25*	*10*
Dibromofluoromethane (Surr)	*110*		*77 - 124*		*05/13/21 16:25*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/13/21 16:25*	*10*

Lab Sample ID: LB 460-777621/1-A
Matrix: Solid
Analysis Batch: 777898

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/14/21 11:46	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/14/21 11:46	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/14/21 11:46	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/14/21 11:46	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/14/21 11:46	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/14/21 11:46	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/14/21 11:46	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/14/21 11:46	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/14/21 11:46	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/14/21 11:46	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/14/21 11:46	10

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/14/21 11:46*	*10*
4-Bromofluorobenzene	*101*		*76 - 120*		*05/14/21 11:46*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*05/14/21 11:46*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/14/21 11:46*	*10*

Lab Sample ID: LB 460-777876/1-A
Matrix: Solid
Analysis Batch: 778255

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 18:56	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 18:56	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 18:56	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 18:56	10

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

Lab Sample ID: LB 460-777876/1-A
Matrix: Solid
Analysis Batch: 778255

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 18:56	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/16/21 18:56	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 18:56	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 18:56	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 18:56	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 18:56	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 18:56	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*05/16/21 18:56*	*10*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/16/21 18:56*	*10*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*05/16/21 18:56*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/16/21 18:56*	*10*

Lab Sample ID: LB 460-778123/1-A
Matrix: Solid
Analysis Batch: 778255

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/16/21 18:30	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/16/21 18:30	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/16/21 18:30	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/16/21 18:30	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/16/21 18:30	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/16/21 18:30	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/16/21 18:30	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/16/21 18:30	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/16/21 18:30	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/16/21 18:30	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/16/21 18:30	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*05/16/21 18:30*	*10*
4-Bromofluorobenzene	*103*		*76 - 120*		*05/16/21 18:30*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*05/16/21 18:30*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/16/21 18:30*	*10*

Lab Sample ID: LB 460-778306/1-A
Matrix: Solid
Analysis Batch: 779010

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 04:41	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 04:41	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 04:41	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 04:41	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 04:41	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 04:41	10

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

Lab Sample ID: LB 460-778306/1-A
Matrix: Solid
Analysis Batch: 779010

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 04:41	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 04:41	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 04:41	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 04:41	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 04:41	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*05/20/21 04:41*	*10*
4-Bromofluorobenzene	*95*		*76 - 120*		*05/20/21 04:41*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 04:41*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/20/21 04:41*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-777317/1-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/11/21 22:11	05/12/21 12:14	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777317/1-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/11/21 22:11	05/12/21 12:14	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/11/21 22:11	05/12/21 12:14	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.952*	*A J*	*mg/Kg*		*2.71*		*05/11/21 22:11*	*05/12/21 12:14*	*1*
n-Decane	*0.0540*	*J*	*mg/Kg*		*4.09*	*124-18-5*	*05/11/21 22:11*	*05/12/21 12:14*	*1*
9-Octadecenamide, (Z)-	*0.626*	*J N*	*mg/Kg*		*12.30*	*301-02-0*	*05/11/21 22:11*	*05/12/21 12:14*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 123*	*05/11/21 22:11*	*05/12/21 12:14*	*1*
2-Fluorobiphenyl	*71*		*14 - 103*	*05/11/21 22:11*	*05/12/21 12:14*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 105*	*05/11/21 22:11*	*05/12/21 12:14*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777317/1-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777317

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		11 - 104	05/11/21 22:11	05/12/21 12:14	1
Phenol-d5 (Surr)	75		15 - 100	05/11/21 22:11	05/12/21 12:14	1
Terphenyl-d14 (Surr)	78		12 - 126	05/11/21 22:11	05/12/21 12:14	1

Lab Sample ID: LCS 460-777317/2-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.84		mg/Kg		85	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.85		mg/Kg		86	64 - 110
1,4-Dioxane	3.33	1.75		mg/Kg		52	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.60		mg/Kg		78	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	3.02		mg/Kg		90	58 - 113
2,4,5-Trichlorophenol	3.33	2.97		mg/Kg		89	64 - 112
2,4,6-Trichlorophenol	3.33	2.93		mg/Kg		88	63 - 113
2,4-Dichlorophenol	3.33	3.11		mg/Kg		93	66 - 113
2,4-Dimethylphenol	3.33	2.99		mg/Kg		90	63 - 107
2,4-Dinitrophenol	6.67	5.41		mg/Kg		81	25 - 150
2,4-Dinitrotoluene	3.33	3.19		mg/Kg		96	65 - 124
2,6-Dinitrotoluene	3.33	3.05		mg/Kg		92	67 - 121
2-Chloronaphthalene	3.33	2.86		mg/Kg		86	65 - 109
2-Chlorophenol	3.33	3.03		mg/Kg		91	63 - 106
2-Methylnaphthalene	3.33	2.97		mg/Kg		89	64 - 108
2-Methylphenol	3.33	3.04		mg/Kg		91	63 - 108
2-Nitroaniline	3.33	2.77		mg/Kg		83	59 - 119
2-Nitrophenol	3.33	2.97		mg/Kg		89	64 - 112
3,3'-Dichlorobenzidine	3.33	1.06		mg/Kg		32	17 - 101
3-Nitroaniline	3.33	1.98		mg/Kg		59	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.91		mg/Kg		89	44 - 136
4-Bromophenyl phenyl ether	3.33	3.03		mg/Kg		91	67 - 113
4-Chloro-3-methylphenol	3.33	3.08		mg/Kg		93	66 - 114
4-Chloroaniline	3.33	1.29		mg/Kg		39	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.97		mg/Kg		89	66 - 110
4-Methylphenol	3.33	3.00		mg/Kg		90	61 - 108
4-Nitroaniline	3.33	2.85		mg/Kg		86	50 - 110
4-Nitrophenol	6.67	5.68		mg/Kg		85	47 - 123
Acenaphthene	3.33	2.71		mg/Kg		81	53 - 110
Acenaphthylene	3.33	2.83		mg/Kg		85	64 - 108
Acetophenone	3.33	2.87		mg/Kg		86	61 - 103
Anthracene	3.33	2.91		mg/Kg		87	67 - 114
Atrazine	1.33	1.44		mg/Kg		108	44 - 145
Benzaldehyde	1.33	1.35		mg/Kg		101	43 - 150
Benzo[a]anthracene	3.33	2.84		mg/Kg		85	67 - 115
Benzo[a]pyrene	3.33	3.40		mg/Kg		102	73 - 123
Benzo[b]fluoranthene	3.33	3.33		mg/Kg		100	70 - 125
Benzo[g,h,i]perylene	3.33	3.13		mg/Kg		94	61 - 113
Benzo[k]fluoranthene	3.33	3.21		mg/Kg		96	67 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-777317/2-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	3.33	2.83		mg/Kg		85	62 - 107
Bis(2-chloroethyl)ether	3.33	2.88		mg/Kg		86	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.90		mg/Kg		87	59 - 111
Butyl benzyl phthalate	3.33	2.92		mg/Kg		87	62 - 113
Caprolactam	1.33	1.53		mg/Kg		114	59 - 140
Carbazole	3.33	2.86		mg/Kg		86	64 - 113
Chrysene	3.33	2.83		mg/Kg		85	71 - 122
Dibenz(a,h)anthracene	3.33	3.47		mg/Kg		104	66 - 119
Dibenzofuran	3.33	2.95		mg/Kg		89	65 - 108
Diethyl phthalate	3.33	2.97		mg/Kg		89	63 - 109
Dimethyl phthalate	3.33	2.99		mg/Kg		90	65 - 109
Di-n-butyl phthalate	3.33	2.93		mg/Kg		88	66 - 114
Di-n-octyl phthalate	3.33	3.25		mg/Kg		98	65 - 122
Fluoranthene	3.33	2.90		mg/Kg		87	61 - 106
Fluorene	3.33	2.96		mg/Kg		89	65 - 109
Hexachlorobenzene	3.33	3.13		mg/Kg		94	61 - 113
Hexachlorobutadiene	3.33	3.04		mg/Kg		91	62 - 109
Hexachlorocyclopentadiene	3.33	2.76		mg/Kg		83	42 - 118
Hexachloroethane	3.33	2.80		mg/Kg		84	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.52		mg/Kg		106	62 - 121
Isophorone	3.33	2.93		mg/Kg		88	63 - 107
Naphthalene	3.33	2.87		mg/Kg		86	63 - 106
Nitrobenzene	3.33	3.06		mg/Kg		92	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.98		mg/Kg		89	61 - 108
N-Nitrosodiphenylamine	3.33	2.88		mg/Kg		87	67 - 113
Pentachlorophenol	6.67	5.74		mg/Kg		86	44 - 126
Phenanthrene	3.33	2.91		mg/Kg		87	66 - 112
Phenol	3.33	3.00		mg/Kg		90	63 - 110
Pyrene	3.33	2.89		mg/Kg		87	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*88*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*97*		*12 - 126*

Lab Sample ID: LCSD 460-777317/3-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777317

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.89		mg/Kg		87	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene	3.33	2.85		mg/Kg		85	64 - 110	0	30
1,4-Dioxane	3.33	1.69		mg/Kg		51	31 - 81	3	30
2,2'-oxybis[1-chloropropane]	3.33	2.51		mg/Kg		75	49 - 109	3	30
2,3,4,6-Tetrachlorophenol	3.33	3.10		mg/Kg		93	58 - 113	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777317/3-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777317

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol			3.33	3.05		mg/Kg		92	64 - 112	3	30
2,4,6-Trichlorophenol			3.33	2.96		mg/Kg		89	63 - 113	1	30
2,4-Dichlorophenol			3.33	3.09		mg/Kg		93	66 - 113	0	30
2,4-Dimethylphenol			3.33	2.97		mg/Kg		89	63 - 107	1	30
2,4-Dinitrophenol			6.67	5.49		mg/Kg		82	25 - 150	1	30
2,4-Dinitrotoluene			3.33	3.21		mg/Kg		96	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.11		mg/Kg		93	67 - 121	2	30
2-Chloronaphthalene			3.33	2.88		mg/Kg		86	65 - 109	1	30
2-Chlorophenol			3.33	2.97		mg/Kg		89	63 - 106	2	30
2-Methylnaphthalene			3.33	2.96		mg/Kg		89	64 - 108	0	30
2-Methylphenol			3.33	3.06		mg/Kg		92	63 - 108	1	30
2-Nitroaniline			3.33	2.81		mg/Kg		84	59 - 119	1	30
2-Nitrophenol			3.33	2.93		mg/Kg		88	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	1.04		mg/Kg		31	17 - 101	1	30
3-Nitroaniline			3.33	2.01		mg/Kg		60	31 - 102	1	30
4,6-Dinitro-2-methylphenol			6.67	6.04		mg/Kg		91	44 - 136	2	30
4-Bromophenyl phenyl ether			3.33	3.10		mg/Kg		93	67 - 113	2	30
4-Chloro-3-methylphenol			3.33	3.16		mg/Kg		95	66 - 114	2	30
4-Chloroaniline			3.33	1.29		mg/Kg		39	20 - 98	0	30
4-Chlorophenyl phenyl ether			3.33	2.99		mg/Kg		90	66 - 110	1	30
4-Methylphenol			3.33	3.00		mg/Kg		90	61 - 108	0	30
4-Nitroaniline			3.33	2.89		mg/Kg		87	50 - 110	1	30
4-Nitrophenol			6.67	5.87		mg/Kg		88	47 - 123	3	30
Acenaphthene			3.33	2.72		mg/Kg		82	53 - 110	0	30
Acenaphthylene			3.33	2.85		mg/Kg		86	64 - 108	1	30
Acetophenone			3.33	2.89		mg/Kg		87	61 - 103	1	30
Anthracene			3.33	2.93		mg/Kg		88	67 - 114	1	30
Atrazine			1.33	1.45		mg/Kg		108	44 - 145	1	30
Benzaldehyde			1.33	1.34		mg/Kg		100	43 - 150	1	30
Benzo[a]anthracene			3.33	2.83		mg/Kg		85	67 - 115	0	30
Benzo[a]pyrene			3.33	3.41		mg/Kg		102	73 - 123	0	30
Benzo[b]fluoranthene			3.33	3.31		mg/Kg		99	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	3.12		mg/Kg		94	61 - 113	0	30
Benzo[k]fluoranthene			3.33	3.24		mg/Kg		97	67 - 115	1	30
Bis(2-chloroethoxy)methane			3.33	2.85		mg/Kg		85	62 - 107	1	30
Bis(2-chloroethyl)ether			3.33	2.85		mg/Kg		86	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	2.90		mg/Kg		87	59 - 111	0	30
Butyl benzyl phthalate			3.33	2.92		mg/Kg		87	62 - 113	0	30
Caprolactam			1.33	1.50		mg/Kg		112	59 - 140	2	30
Carbazole			3.33	2.86		mg/Kg		86	64 - 113	0	30
Chrysene			3.33	2.81		mg/Kg		84	71 - 122	1	30
Dibenz(a,h)anthracene			3.33	3.49		mg/Kg		105	66 - 119	1	30
Dibenzofuran			3.33	2.99		mg/Kg		90	65 - 108	1	30
Diethyl phthalate			3.33	3.00		mg/Kg		90	63 - 109	1	30
Dimethyl phthalate			3.33	3.02		mg/Kg		91	65 - 109	1	30
Di-n-butyl phthalate			3.33	2.95		mg/Kg		89	66 - 114	1	30
Di-n-octyl phthalate			3.33	3.28		mg/Kg		98	65 - 122	1	30
Fluoranthene			3.33	2.91		mg/Kg		87	61 - 106	0	30
Fluorene			3.33	2.99		mg/Kg		90	65 - 109	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777317/3-A
Matrix: Solid
Analysis Batch: 777445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777317

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene			3.33	3.16		mg/Kg		95	61 - 113	1	30
Hexachlorobutadiene			3.33	2.99		mg/Kg		90	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.77		mg/Kg		83	42 - 118	0	30
Hexachloroethane			3.33	2.78		mg/Kg		83	61 - 102	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.44		mg/Kg		103	62 - 121	3	30
Isophorone			3.33	2.92		mg/Kg		88	63 - 107	0	30
Naphthalene			3.33	2.89		mg/Kg		87	63 - 106	1	30
Nitrobenzene			3.33	3.06		mg/Kg		92	63 - 110	0	30
N-Nitrosodi-n-propylamine			3.33	2.96		mg/Kg		89	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	2.92		mg/Kg		88	67 - 113	1	30
Pentachlorophenol			6.67	5.93		mg/Kg		89	44 - 126	3	30
Phenanthrene			3.33	2.93		mg/Kg		88	66 - 112	1	30
Phenol			3.33	3.00		mg/Kg		90	63 - 110	0	30
Pyrene			3.33	2.88		mg/Kg		87	61 - 111	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*106*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*87*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*99*		*12 - 126*

Lab Sample ID: MB 460-777564/1-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/12/21 18:38	05/13/21 09:43	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777564/1-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/12/21 18:38	05/13/21 09:43	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/12/21 18:38	05/13/21 09:43	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777564/1-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777564

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Aldol condensation product	0.406	J A	mg/Kg		2.09		05/12/21 18:38	05/13/21 09:43	1
n-Decane	0.0768	J	mg/Kg		3.05	124-18-5	05/12/21 18:38	05/13/21 09:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		10 - 123	05/12/21 18:38	05/13/21 09:43	1
2-Fluorobiphenyl	89		14 - 103	05/12/21 18:38	05/13/21 09:43	1
2-Fluorophenol (Surr)	90		10 - 105	05/12/21 18:38	05/13/21 09:43	1
Nitrobenzene-d5 (Surr)	87		11 - 104	05/12/21 18:38	05/13/21 09:43	1
Phenol-d5 (Surr)	85		15 - 100	05/12/21 18:38	05/13/21 09:43	1
Terphenyl-d14 (Surr)	105		12 - 126	05/12/21 18:38	05/13/21 09:43	1

Lab Sample ID: LCS 460-777564/2-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	3.32		mg/Kg		100	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.33		mg/Kg		100	64 - 110
1,4-Dioxane	3.33	2.27		mg/Kg		68	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.04		mg/Kg		91	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	3.20		mg/Kg		96	58 - 113
2,4,5-Trichlorophenol	3.33	3.21		mg/Kg		96	64 - 112
2,4,6-Trichlorophenol	3.33	3.42		mg/Kg		102	63 - 113
2,4-Dichlorophenol	3.33	3.31		mg/Kg		99	66 - 113
2,4-Dimethylphenol	3.33	3.22		mg/Kg		97	63 - 107
2,4-Dinitrophenol	6.67	5.96		mg/Kg		89	25 - 150
2,4-Dinitrotoluene	3.33	3.56		mg/Kg		107	65 - 124
2,6-Dinitrotoluene	3.33	3.46		mg/Kg		104	67 - 121
2-Chloronaphthalene	3.33	3.30		mg/Kg		99	65 - 109
2-Chlorophenol	3.33	3.26		mg/Kg		98	63 - 106
2-Methylnaphthalene	3.33	3.24		mg/Kg		97	64 - 108
2-Methylphenol	3.33	3.20		mg/Kg		96	63 - 108
2-Nitroaniline	3.33	3.17		mg/Kg		95	59 - 119
2-Nitrophenol	3.33	3.19		mg/Kg		96	64 - 112
3,3'-Dichlorobenzidine	3.33	2.47		mg/Kg		74	17 - 101
3-Nitroaniline	3.33	2.12		mg/Kg		64	31 - 102
4,6-Dinitro-2-methylphenol	6.67	6.33		mg/Kg		95	44 - 136
4-Bromophenyl phenyl ether	3.33	3.38		mg/Kg		101	67 - 113
4-Chloro-3-methylphenol	3.33	3.25		mg/Kg		97	66 - 114
4-Chloroaniline	3.33	1.63		mg/Kg		49	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.33		mg/Kg		100	66 - 110
4-Methylphenol	3.33	2.93		mg/Kg		88	61 - 108
4-Nitroaniline	3.33	3.07		mg/Kg		92	50 - 110
4-Nitrophenol	6.67	6.68		mg/Kg		100	47 - 123
Acenaphthene	3.33	3.25		mg/Kg		98	53 - 110
Acenaphthylene	3.33	3.31		mg/Kg		99	64 - 108
Acetophenone	3.33	3.05		mg/Kg		92	61 - 103
Anthracene	3.33	3.24		mg/Kg		97	67 - 114

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-777564/2-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	1.33	1.48		mg/Kg		111	44 - 145
Benzaldehyde	1.33	1.40		mg/Kg		105	43 - 150
Benzo[a]anthracene	3.33	3.20		mg/Kg		96	67 - 115
Benzo[a]pyrene	3.33	4.04		mg/Kg		121	73 - 123
Benzo[b]fluoranthene	3.33	3.72		mg/Kg		112	70 - 125
Benzo[g,h,i]perylene	3.33	3.49		mg/Kg		105	61 - 113
Benzo[k]fluoranthene	3.33	3.75		mg/Kg		113	67 - 115
Bis(2-chloroethoxy)methane	3.33	3.11		mg/Kg		93	62 - 107
Bis(2-chloroethyl)ether	3.33	3.28		mg/Kg		98	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	3.14		mg/Kg		94	59 - 111
Butyl benzyl phthalate	3.33	3.17		mg/Kg		95	62 - 113
Caprolactam	1.33	1.24		mg/Kg		93	59 - 140
Carbazole	3.33	3.29		mg/Kg		99	64 - 113
Chrysene	3.33	3.21		mg/Kg		96	71 - 122
Dibenz(a,h)anthracene	3.33	3.92		mg/Kg		118	66 - 119
Dibenzofuran	3.33	3.32		mg/Kg		100	65 - 108
Diethyl phthalate	3.33	3.35		mg/Kg		101	63 - 109
Dimethyl phthalate	3.33	3.32		mg/Kg		100	65 - 109
Di-n-butyl phthalate	3.33	3.25		mg/Kg		97	66 - 114
Di-n-octyl phthalate	3.33	3.48		mg/Kg		105	65 - 122
Fluoranthene	3.33	3.39		mg/Kg		102	61 - 106
Fluorene	3.33	3.31		mg/Kg		99	65 - 109
Hexachlorobenzene	3.33	3.44		mg/Kg		103	61 - 113
Hexachlorobutadiene	3.33	3.32		mg/Kg		100	62 - 109
Hexachlorocyclopentadiene	3.33	2.46		mg/Kg		74	42 - 118
Hexachloroethane	3.33	3.11		mg/Kg		93	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.61		mg/Kg		108	62 - 121
Isophorone	3.33	3.21		mg/Kg		96	63 - 107
Naphthalene	3.33	3.16		mg/Kg		95	63 - 106
Nitrobenzene	3.33	3.23		mg/Kg		97	63 - 110
N-Nitrosodi-n-propylamine	3.33	3.26		mg/Kg		98	61 - 108
N-Nitrosodiphenylamine	3.33	3.24		mg/Kg		97	67 - 113
Pentachlorophenol	6.67	6.38		mg/Kg		96	44 - 126
Phenanthrene	3.33	3.28		mg/Kg		98	66 - 112
Phenol	3.33	3.22		mg/Kg		97	63 - 110
Pyrene	3.33	3.13		mg/Kg		94	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*10 - 123*
2-Fluorobiphenyl	*88*		*14 - 103*
2-Fluorophenol (Surr)	*89*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*90*		*15 - 100*
Terphenyl-d14 (Surr)	*100*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777564/3-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777564

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.29		mg/Kg		99	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene			3.33	3.26		mg/Kg		98	64 - 110	2	30
1,4-Dioxane			3.33	2.27		mg/Kg		68	31 - 81	0	30
2,2'-oxybis[1-chloropropane]			3.33	2.99		mg/Kg		90	49 - 109	2	30
2,3,4,6-Tetrachlorophenol			3.33	3.20		mg/Kg		96	58 - 113	0	30
2,4,5-Trichlorophenol			3.33	3.25		mg/Kg		98	64 - 112	1	30
2,4,6-Trichlorophenol			3.33	3.29		mg/Kg		99	63 - 113	4	30
2,4-Dichlorophenol			3.33	3.38		mg/Kg		101	66 - 113	2	30
2,4-Dimethylphenol			3.33	3.25		mg/Kg		98	63 - 107	1	30
2,4-Dinitrophenol			6.67	6.06		mg/Kg		91	25 - 150	2	30
2,4-Dinitrotoluene			3.33	3.52		mg/Kg		106	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.40		mg/Kg		102	67 - 121	2	30
2-Chloronaphthalene			3.33	3.25		mg/Kg		97	65 - 109	2	30
2-Chlorophenol			3.33	3.20		mg/Kg		96	63 - 106	2	30
2-Methylnaphthalene			3.33	3.28		mg/Kg		98	64 - 108	1	30
2-Methylphenol			3.33	3.14		mg/Kg		94	63 - 108	2	30
2-Nitroaniline			3.33	3.14		mg/Kg		94	59 - 119	1	30
2-Nitrophenol			3.33	3.23		mg/Kg		97	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	2.39		mg/Kg		72	17 - 101	3	30
3-Nitroaniline			3.33	1.86		mg/Kg		56	31 - 102	13	30
4,6-Dinitro-2-methylphenol			6.67	6.22		mg/Kg		93	44 - 136	2	30
4-Bromophenyl phenyl ether			3.33	3.25		mg/Kg		98	67 - 113	4	30
4-Chloro-3-methylphenol			3.33	3.31		mg/Kg		99	66 - 114	2	30
4-Chloroaniline			3.33	1.44		mg/Kg		43	20 - 98	12	30
4-Chlorophenyl phenyl ether			3.33	3.25		mg/Kg		97	66 - 110	3	30
4-Methylphenol			3.33	2.91		mg/Kg		87	61 - 108	1	30
4-Nitroaniline			3.33	3.05		mg/Kg		92	50 - 110	0	30
4-Nitrophenol			6.67	6.74		mg/Kg		101	47 - 123	1	30
Acenaphthene			3.33	3.25		mg/Kg		97	53 - 110	0	30
Acenaphthylene			3.33	3.27		mg/Kg		98	64 - 108	1	30
Acetophenone			3.33	2.94		mg/Kg		88	61 - 103	4	30
Anthracene			3.33	3.19		mg/Kg		96	67 - 114	2	30
Atrazine			1.33	1.49		mg/Kg		112	44 - 145	1	30
Benzaldehyde			1.33	1.35		mg/Kg		101	43 - 150	3	30
Benzo[a]anthracene			3.33	3.12		mg/Kg		94	67 - 115	2	30
Benzo[a]pyrene			3.33	3.99		mg/Kg		120	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.67		mg/Kg		110	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.45		mg/Kg		104	61 - 113	1	30
Benzo[k]fluoranthene			3.33	3.62		mg/Kg		109	67 - 115	4	30
Bis(2-chloroethoxy)methane			3.33	3.23		mg/Kg		97	62 - 107	4	30
Bis(2-chloroethyl)ether			3.33	3.19		mg/Kg		96	60 - 107	3	30
Bis(2-ethylhexyl) phthalate			3.33	3.12		mg/Kg		94	59 - 111	1	30
Butyl benzyl phthalate			3.33	3.16		mg/Kg		95	62 - 113	1	30
Caprolactam			1.33	1.22		mg/Kg		92	59 - 140	1	30
Carbazole			3.33	3.24		mg/Kg		97	64 - 113	2	30
Chrysene			3.33	3.16		mg/Kg		95	71 - 122	2	30
Dibenz(a,h)anthracene			3.33	3.86		mg/Kg		116	66 - 119	2	30
Dibenzofuran			3.33	3.29		mg/Kg		99	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777564/3-A
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777564

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	3.25		mg/Kg		97	63 - 109	3	30
Dimethyl phthalate			3.33	3.25		mg/Kg		97	65 - 109	2	30
Di-n-butyl phthalate			3.33	3.23		mg/Kg		97	66 - 114	0	30
Di-n-octyl phthalate			3.33	3.45		mg/Kg		104	65 - 122	1	30
Fluoranthene			3.33	3.28		mg/Kg		99	61 - 106	3	30
Fluorene			3.33	3.25		mg/Kg		97	65 - 109	2	30
Hexachlorobenzene			3.33	3.40		mg/Kg		102	61 - 113	1	30
Hexachlorobutadiene			3.33	3.37		mg/Kg		101	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.46		mg/Kg		74	42 - 118	0	30
Hexachloroethane			3.33	3.01		mg/Kg		90	61 - 102	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.56		mg/Kg		107	62 - 121	1	30
Isophorone			3.33	3.22		mg/Kg		97	63 - 107	1	30
Naphthalene			3.33	3.21		mg/Kg		96	63 - 106	2	30
Nitrobenzene			3.33	3.20		mg/Kg		96	63 - 110	1	30
N-Nitrosodi-n-propylamine			3.33	3.19		mg/Kg		96	61 - 108	2	30
N-Nitrosodiphenylamine			3.33	3.19		mg/Kg		96	67 - 113	2	30
Pentachlorophenol			6.67	6.36		mg/Kg		95	44 - 126	0	30
Phenanthrene			3.33	3.23		mg/Kg		97	66 - 112	2	30
Phenol			3.33	3.15		mg/Kg		95	63 - 110	2	30
Pyrene			3.33	3.15		mg/Kg		95	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*88*		*14 - 103*
2-Fluorophenol (Surr)	*87*		*10 - 105*
Nitrobenzene-d5 (Surr)	*87*		*11 - 104*
Phenol-d5 (Surr)	*87*		*15 - 100*
Terphenyl-d14 (Surr)	*99*		*12 - 126*

Lab Sample ID: 460-234134-A-8-A MS
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.47	U	4.74	4.56		mg/Kg	☼	96	65 - 110
1,2,4,5-Tetrachlorobenzene	0.47	U	4.74	4.54		mg/Kg	☼	96	64 - 110
1,4-Dioxane	0.047	U	4.74	2.61		mg/Kg	☼	55	31 - 81
2,2'-oxybis[1-chloropropane]	0.47	U	4.74	3.83		mg/Kg	☼	81	49 - 109
2,3,4,6-Tetrachlorophenol	0.47	U	4.74	4.52		mg/Kg	☼	96	58 - 113
2,4,5-Trichlorophenol	0.47	U	4.74	4.64		mg/Kg	☼	98	64 - 112
2,4,6-Trichlorophenol	0.19	U	4.74	4.65		mg/Kg	☼	98	63 - 113
2,4-Dichlorophenol	0.19	U	4.74	4.63		mg/Kg	☼	98	66 - 113
2,4-Dimethylphenol	0.47	U	4.74	4.43		mg/Kg	☼	94	63 - 107
2,4-Dinitrophenol	0.38	U	9.47	8.29		mg/Kg	☼	87	25 - 150
2,4-Dinitrotoluene	0.095	U	4.74	4.91		mg/Kg	☼	104	65 - 124
2,6-Dinitrotoluene	0.095	U	4.74	4.85		mg/Kg	☼	102	67 - 121
2-Chloronaphthalene	0.47	U	4.74	4.51		mg/Kg	☼	95	65 - 109
2-Chlorophenol	0.47	U	4.74	4.25		mg/Kg	☼	90	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234134-A-8-A MS
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.013	J	4.74	4.34		mg/Kg	☼	91	64 - 108
2-Methylphenol	0.47	U	4.74	4.24		mg/Kg	☼	89	63 - 108
2-Nitroaniline	0.47	U	4.74	4.32		mg/Kg	☼	91	59 - 119
2-Nitrophenol	0.47	U	4.74	4.28		mg/Kg	☼	90	64 - 112
3,3'-Dichlorobenzidine	0.19	U	4.74	3.35		mg/Kg	☼	71	17 - 101
3-Nitroaniline	0.47	U	4.74	4.19		mg/Kg	☼	88	31 - 102
4,6-Dinitro-2-methylphenol	0.38	U	9.47	8.38		mg/Kg	☼	88	44 - 136
4-Bromophenyl phenyl ether	0.47	U	4.74	4.54		mg/Kg	☼	96	67 - 113
4-Chloro-3-methylphenol	0.47	U	4.74	4.57		mg/Kg	☼	96	66 - 114
4-Chloroaniline	0.47	U	4.74	3.60		mg/Kg	☼	76	20 - 98
4-Chlorophenyl phenyl ether	0.47	U	4.74	4.57		mg/Kg	☼	96	66 - 110
4-Methylphenol	0.47	U	4.74	3.85		mg/Kg	☼	81	61 - 108
4-Nitroaniline	0.47	U	4.74	4.30		mg/Kg	☼	91	50 - 110
4-Nitrophenol	0.95	U	9.47	9.30		mg/Kg	☼	98	47 - 123
Acenaphthene	0.056	J	4.74	4.52		mg/Kg	☼	94	53 - 110
Acenaphthylene	0.089	J	4.74	4.54		mg/Kg	☼	94	64 - 108
Acetophenone	0.47	U	4.74	3.90		mg/Kg	☼	82	61 - 103
Anthracene	0.24	J	4.74	4.51		mg/Kg	☼	90	67 - 114
Atrazine	0.19	U	1.89	1.92		mg/Kg	☼	102	44 - 145
Benzaldehyde	0.47	U	1.89	1.71	E	mg/Kg	☼	90	43 - 150
Benzo[a]anthracene	0.25		4.74	4.50		mg/Kg	☼	90	67 - 115
Benzo[a]pyrene	0.24		4.74	5.69		mg/Kg	☼	115	73 - 123
Benzo[b]fluoranthene	0.32		4.74	5.51		mg/Kg	☼	110	70 - 125
Benzo[g,h,i]perylene	1.4		4.74	3.86	*	mg/Kg	☼	52	61 - 113
Benzo[k]fluoranthene	0.13		4.74	4.98		mg/Kg	☼	102	67 - 115
Bis(2-chloroethoxy)methane	0.47	U	4.74	4.17		mg/Kg	☼	88	62 - 107
Bis(2-chloroethyl)ether	0.047	U	4.74	4.08		mg/Kg	☼	86	60 - 107
Bis(2-ethylhexyl) phthalate	0.037	J	4.74	4.33		mg/Kg	☼	91	59 - 111
Butyl benzyl phthalate	0.47	U	4.74	4.33		mg/Kg	☼	91	62 - 113
Caprolactam	0.47	U	1.89	1.66		mg/Kg	☼	88	59 - 140
Carbazole	0.068	J	4.74	4.47		mg/Kg	☼	93	64 - 113
Chrysene	0.26	J	4.74	4.61		mg/Kg	☼	92	71 - 122
Dibenz(a,h)anthracene	0.14		4.74	4.79		mg/Kg	☼	98	66 - 119
Dibenzofuran	0.029	J	4.74	4.56		mg/Kg	☼	96	65 - 108
Diethyl phthalate	0.47	U	4.74	4.55		mg/Kg	☼	96	63 - 109
Dimethyl phthalate	0.47	U	4.74	4.54		mg/Kg	☼	96	65 - 109
Di-n-butyl phthalate	0.47	U	4.74	4.43		mg/Kg	☼	93	66 - 114
Di-n-octyl phthalate	0.47	U	4.74	4.73		mg/Kg	☼	100	65 - 122
Fluoranthene	0.56		4.74	4.98		mg/Kg	☼	93	61 - 106
Fluorene	0.057	J	4.74	4.53		mg/Kg	☼	94	65 - 109
Hexachlorobenzene	0.047	U	4.74	4.61		mg/Kg	☼	97	61 - 113
Hexachlorobutadiene	0.095	U	4.74	4.46		mg/Kg	☼	94	62 - 109
Hexachlorocyclopentadiene	0.47	U	4.74	1.83	*	mg/Kg	☼	39	42 - 118
Hexachloroethane	0.047	U	4.74	3.83		mg/Kg	☼	81	61 - 102
Indeno[1,2,3-cd]pyrene	0.95		4.74	4.72		mg/Kg	☼	79	62 - 121
Isophorone	0.19	U	4.74	4.25		mg/Kg	☼	90	63 - 107
Naphthalene	0.026	J	4.74	4.23		mg/Kg	☼	89	63 - 106
Nitrobenzene	0.047	U	4.74	4.31		mg/Kg	☼	91	63 - 110
N-Nitrosodi-n-propylamine	0.047	U	4.74	4.18		mg/Kg	☼	88	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234134-A-8-A MS
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.47	U	4.74	4.37		mg/Kg	☼	92	67 - 113
Pentachlorophenol	0.38	U	9.47	9.08		mg/Kg	☼	96	44 - 126
Phenanthrene	0.45	J	4.74	4.78		mg/Kg	☼	92	66 - 112
Phenol	0.47	U	4.74	4.28		mg/Kg	☼	90	63 - 110
Pyrene	0.45	J	4.74	4.62		mg/Kg	☼	88	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*
2-Fluorobiphenyl	*86*		*14 - 103*
2-Fluorophenol (Surr)	*82*		*10 - 105*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*
Phenol-d5 (Surr)	*84*		*15 - 100*
Terphenyl-d14 (Surr)	*95*		*12 - 126*

Lab Sample ID: 460-234134-A-8-B MSD
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.47	U	4.74	4.56		mg/Kg	☼	96	65 - 110	0	30
1,2,4,5-Tetrachlorobenzene	0.47	U	4.74	4.52		mg/Kg	☼	96	64 - 110	0	30
1,4-Dioxane	0.047	U	4.74	2.57		mg/Kg	☼	54	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	0.47	U	4.74	3.94		mg/Kg	☼	83	49 - 109	3	30
2,3,4,6-Tetrachlorophenol	0.47	U	4.74	4.62		mg/Kg	☼	98	58 - 113	2	30
2,4,5-Trichlorophenol	0.47	U	4.74	4.68		mg/Kg	☼	99	64 - 112	1	30
2,4,6-Trichlorophenol	0.19	U	4.74	4.66		mg/Kg	☼	98	63 - 113	0	30
2,4-Dichlorophenol	0.19	U	4.74	4.67		mg/Kg	☼	99	66 - 113	1	30
2,4-Dimethylphenol	0.47	U	4.74	4.45		mg/Kg	☼	94	63 - 107	0	30
2,4-Dinitrophenol	0.38	U	9.47	8.32		mg/Kg	☼	88	25 - 150	0	30
2,4-Dinitrotoluene	0.095	U	4.74	4.86		mg/Kg	☼	103	65 - 124	1	30
2,6-Dinitrotoluene	0.095	U	4.74	4.79		mg/Kg	☼	101	67 - 121	1	30
2-Chloronaphthalene	0.47	U	4.74	4.54		mg/Kg	☼	96	65 - 109	1	30
2-Chlorophenol	0.47	U	4.74	4.40		mg/Kg	☼	93	63 - 106	3	30
2-Methylnaphthalene	0.013	J	4.74	4.51		mg/Kg	☼	95	64 - 108	4	30
2-Methylphenol	0.47	U	4.74	4.37		mg/Kg	☼	92	63 - 108	3	30
2-Nitroaniline	0.47	U	4.74	4.44		mg/Kg	☼	94	59 - 119	3	30
2-Nitrophenol	0.47	U	4.74	4.43		mg/Kg	☼	94	64 - 112	4	30
3,3'-Dichlorobenzidine	0.19	U	4.74	3.81		mg/Kg	☼	81	17 - 101	13	30
3-Nitroaniline	0.47	U	4.74	4.12		mg/Kg	☼	87	31 - 102	2	30
4,6-Dinitro-2-methylphenol	0.38	U	9.47	8.58		mg/Kg	☼	91	44 - 136	2	30
4-Bromophenyl phenyl ether	0.47	U	4.74	4.66		mg/Kg	☼	98	67 - 113	3	30
4-Chloro-3-methylphenol	0.47	U	4.74	4.57		mg/Kg	☼	96	66 - 114	0	30
4-Chloroaniline	0.47	U	4.74	3.74		mg/Kg	☼	79	20 - 98	4	30
4-Chlorophenyl phenyl ether	0.47	U	4.74	4.61		mg/Kg	☼	97	66 - 110	1	30
4-Methylphenol	0.47	U	4.74	4.08		mg/Kg	☼	86	61 - 108	6	30
4-Nitroaniline	0.47	U	4.74	4.23		mg/Kg	☼	89	50 - 110	2	30
4-Nitrophenol	0.95	U	9.47	9.55		mg/Kg	☼	101	47 - 123	3	30
Acenaphthene	0.056	J	4.74	4.51		mg/Kg	☼	94	53 - 110	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234134-A-8-B MSD
Matrix: Solid
Analysis Batch: 777674

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.089	J	4.74	4.62		mg/Kg	☼	96	64 - 108	2	30
Acetophenone	0.47	U	4.74	4.00		mg/Kg	☼	85	61 - 103	3	30
Anthracene	0.24	J	4.74	4.63		mg/Kg	☼	93	67 - 114	3	30
Atrazine	0.19	U	1.89	2.02		mg/Kg	☼	107	44 - 145	5	30
Benzaldehyde	0.47	U	1.89	1.72	E	mg/Kg	☼	91	43 - 150	1	30
Benzo[a]anthracene	0.25		4.74	4.52		mg/Kg	☼	90	67 - 115	0	30
Benzo[a]pyrene	0.24		4.74	5.81		mg/Kg	☼	118	73 - 123	2	30
Benzo[b]fluoranthene	0.32		4.74	5.58		mg/Kg	☼	111	70 - 125	1	30
Benzo[g,h,i]perylene	1.4		4.74	4.27		mg/Kg	☼	61	61 - 113	10	30
Benzo[k]fluoranthene	0.13		4.74	5.03		mg/Kg	☼	103	67 - 115	1	30
Bis(2-chloroethoxy)methane	0.47	U	4.74	4.32		mg/Kg	☼	91	62 - 107	4	30
Bis(2-chloroethyl)ether	0.047	U	4.74	4.22		mg/Kg	☼	89	60 - 107	3	30
Bis(2-ethylhexyl) phthalate	0.037	J	4.74	4.35		mg/Kg	☼	91	59 - 111	0	30
Butyl benzyl phthalate	0.47	U	4.74	4.39		mg/Kg	☼	93	62 - 113	1	30
Caprolactam	0.47	U	1.89	1.75		mg/Kg	☼	92	59 - 140	5	30
Carbazole	0.068	J	4.74	4.50		mg/Kg	☼	94	64 - 113	1	30
Chrysene	0.26	J	4.74	4.62		mg/Kg	☼	92	71 - 122	0	30
Dibenz(a,h)anthracene	0.14		4.74	5.00		mg/Kg	☼	103	66 - 119	4	30
Dibenzofuran	0.029	J	4.74	4.58		mg/Kg	☼	96	65 - 108	0	30
Diethyl phthalate	0.47	U	4.74	4.56		mg/Kg	☼	96	63 - 109	0	30
Dimethyl phthalate	0.47	U	4.74	4.55		mg/Kg	☼	96	65 - 109	0	30
Di-n-butyl phthalate	0.47	U	4.74	4.53		mg/Kg	☼	96	66 - 114	2	30
Di-n-octyl phthalate	0.47	U	4.74	4.86		mg/Kg	☼	103	65 - 122	3	30
Fluoranthene	0.56		4.74	4.97		mg/Kg	☼	93	61 - 106	0	30
Fluorene	0.057	J	4.74	4.56		mg/Kg	☼	95	65 - 109	1	30
Hexachlorobenzene	0.047	U	4.74	4.70		mg/Kg	☼	99	61 - 113	2	30
Hexachlorobutadiene	0.095	U	4.74	4.58		mg/Kg	☼	97	62 - 109	3	30
Hexachlorocyclopentadiene	0.47	U	4.74	1.71	*	mg/Kg	☼	36	42 - 118	7	30
Hexachloroethane	0.047	U	4.74	3.84		mg/Kg	☼	81	61 - 102	0	30
Indeno[1,2,3-cd]pyrene	0.95		4.74	4.75		mg/Kg	☼	80	62 - 121	1	30
Isophorone	0.19	U	4.74	4.36		mg/Kg	☼	92	63 - 107	2	30
Naphthalene	0.026	J	4.74	4.40		mg/Kg	☼	92	63 - 106	4	30
Nitrobenzene	0.047	U	4.74	4.46		mg/Kg	☼	94	63 - 110	3	30
N-Nitrosodi-n-propylamine	0.047	U	4.74	4.31		mg/Kg	☼	91	61 - 108	3	30
N-Nitrosodiphenylamine	0.47	U	4.74	4.47		mg/Kg	☼	94	67 - 113	2	30
Pentachlorophenol	0.38	U	9.47	9.29		mg/Kg	☼	98	44 - 126	2	30
Phenanthrene	0.45	J	4.74	4.86		mg/Kg	☼	93	66 - 112	2	30
Phenol	0.47	U	4.74	4.40		mg/Kg	☼	93	63 - 110	3	30
Pyrene	0.45	J	4.74	4.68		mg/Kg	☼	89	61 - 111	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 123*
2-Fluorobiphenyl	*86*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*
Phenol-d5 (Surr)	*85*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777710/1-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/13/21 10:18	05/14/21 00:25	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/13/21 10:18	05/14/21 00:25	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/13/21 10:18	05/14/21 00:25	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/13/21 10:18	05/14/21 00:25	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/13/21 10:18	05/14/21 00:25	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/13/21 10:18	05/14/21 00:25	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/13/21 10:18	05/14/21 00:25	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/13/21 10:18	05/14/21 00:25	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/13/21 10:18	05/14/21 00:25	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/13/21 10:18	05/14/21 00:25	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/13/21 10:18	05/14/21 00:25	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/13/21 10:18	05/14/21 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 150*	*05/13/21 10:18*	*05/14/21 00:25*	*1*
2-Fluorobiphenyl	*59*		*42 - 127*	*05/13/21 10:18*	*05/14/21 00:25*	*1*
2-Fluorophenol (Surr)	*34*		*18 - 72*	*05/13/21 10:18*	*05/14/21 00:25*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 137*	*05/13/21 10:18*	*05/14/21 00:25*	*1*
Phenol-d5 (Surr)	*23*		*10 - 50*	*05/13/21 10:18*	*05/14/21 00:25*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 150*	*05/13/21 10:18*	*05/14/21 00:25*	*1*

Lab Sample ID: LCS 460-777710/2-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0510		mg/L		64	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0638		mg/L		80	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0623		mg/L		78	66 - 117
3 & 4 Methylphenol	0.0800	0.0345		mg/L		43	43 - 78
2,4-Dinitrotoluene	0.0800	0.0829		mg/L		104	68 - 134
Pyridine	0.160	0.0487		mg/L		30	13 - 71
2-Methylphenol	0.0800	0.0405		mg/L		51	48 - 88
Hexachlorobenzene	0.0800	0.0644		mg/L		81	61 - 117
Hexachlorobutadiene	0.0800	0.0600		mg/L		75	10 - 133
Hexachloroethane	0.0800	0.0524		mg/L		66	17 - 115
Nitrobenzene	0.0800	0.0655		mg/L		82	71 - 116
Pentachlorophenol	0.160	0.146		mg/L		91	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*
2-Fluorobiphenyl	*70*		*42 - 127*
2-Fluorophenol (Surr)	*26*		*18 - 72*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*
Phenol-d5 (Surr)	*19*		*10 - 50*
Terphenyl-d14 (Surr)	*75*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777710/3-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777710

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0508		mg/L		63	40 - 102	0	30
2,4,5-Trichlorophenol			0.0800	0.0631		mg/L		79	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0618		mg/L		77	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0352		mg/L		44	43 - 78	2	30
2,4-Dinitrotoluene			0.0800	0.0828		mg/L		103	68 - 134	0	30
Pyridine			0.160	0.0496		mg/L		31	13 - 71	2	30
2-Methylphenol			0.0800	0.0395		mg/L		49	48 - 88	3	30
Hexachlorobenzene			0.0800	0.0640		mg/L		80	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0588		mg/L		73	10 - 133	2	30
Hexachloroethane			0.0800	0.0526		mg/L		66	17 - 115	0	30
Nitrobenzene			0.0800	0.0643		mg/L		80	71 - 116	2	30
Pentachlorophenol			0.160	0.146		mg/L		91	54 - 131	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*
2-Fluorobiphenyl	*71*		*42 - 127*
2-Fluorophenol (Surr)	*28*		*18 - 72*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*
Phenol-d5 (Surr)	*19*		*10 - 50*
Terphenyl-d14 (Surr)	*75*		*39 - 150*

Lab Sample ID: MB 460-777805/1-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/13/21 18:07	05/14/21 07:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777805/1-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/13/21 18:07	05/14/21 07:35	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/13/21 18:07	05/14/21 07:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777805/1-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777805

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Aldol condensation product	0.485	A J	mg/Kg		2.09		05/13/21 18:07	05/14/21 07:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		10 - 123	05/13/21 18:07	05/14/21 07:35	1
2-Fluorobiphenyl	86		14 - 103	05/13/21 18:07	05/14/21 07:35	1
2-Fluorophenol (Surr)	85		10 - 105	05/13/21 18:07	05/14/21 07:35	1
Nitrobenzene-d5 (Surr)	84		11 - 104	05/13/21 18:07	05/14/21 07:35	1
Phenol-d5 (Surr)	79		15 - 100	05/13/21 18:07	05/14/21 07:35	1
Terphenyl-d14 (Surr)	102		12 - 126	05/13/21 18:07	05/14/21 07:35	1

Lab Sample ID: LCS 460-777805/2-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	3.02		mg/Kg		91	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.06		mg/Kg		92	64 - 110
1,4-Dioxane	3.33	2.33		mg/Kg		70	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.79		mg/Kg		84	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.96		mg/Kg		89	58 - 113
2,4,5-Trichlorophenol	3.33	3.02		mg/Kg		91	64 - 112
2,4,6-Trichlorophenol	3.33	3.06		mg/Kg		92	63 - 113
2,4-Dichlorophenol	3.33	3.16		mg/Kg		95	66 - 113
2,4-Dimethylphenol	3.33	3.09		mg/Kg		93	63 - 107
2,4-Dinitrophenol	6.67	5.67		mg/Kg		85	25 - 150
2,4-Dinitrotoluene	3.33	3.31		mg/Kg		99	65 - 124
2,6-Dinitrotoluene	3.33	3.20		mg/Kg		96	67 - 121
2-Chloronaphthalene	3.33	3.00		mg/Kg		90	65 - 109
2-Chlorophenol	3.33	3.04		mg/Kg		91	63 - 106
2-Methylnaphthalene	3.33	3.08		mg/Kg		92	64 - 108
2-Methylphenol	3.33	2.98		mg/Kg		89	63 - 108
2-Nitroaniline	3.33	2.92		mg/Kg		87	59 - 119
2-Nitrophenol	3.33	3.04		mg/Kg		91	64 - 112
3,3'-Dichlorobenzidine	3.33	2.56		mg/Kg		77	17 - 101
3-Nitroaniline	3.33	2.14		mg/Kg		64	31 - 102
4,6-Dinitro-2-methylphenol	6.67	6.01		mg/Kg		90	44 - 136
4-Bromophenyl phenyl ether	3.33	3.22		mg/Kg		97	67 - 113
4-Chloro-3-methylphenol	3.33	3.14		mg/Kg		94	66 - 114
4-Chloroaniline	3.33	1.84		mg/Kg		55	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.05		mg/Kg		91	66 - 110
4-Methylphenol	3.33	2.73		mg/Kg		82	61 - 108
4-Nitroaniline	3.33	2.82		mg/Kg		85	50 - 110
4-Nitrophenol	6.67	5.97		mg/Kg		90	47 - 123
Acenaphthene	3.33	3.03		mg/Kg		91	53 - 110
Acenaphthylene	3.33	3.01		mg/Kg		90	64 - 108
Acetophenone	3.33	2.90		mg/Kg		87	61 - 103
Anthracene	3.33	3.10		mg/Kg		93	67 - 114
Atrazine	1.33	1.36		mg/Kg		102	44 - 145

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-777805/2-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	1.33	1.31		mg/Kg		98	43 - 150
Benzo[a]anthracene	3.33	3.07		mg/Kg		92	67 - 115
Benzo[a]pyrene	3.33	3.63		mg/Kg		109	73 - 123
Benzo[b]fluoranthene	3.33	3.45		mg/Kg		103	70 - 125
Benzo[g,h,i]perylene	3.33	3.21		mg/Kg		96	61 - 113
Benzo[k]fluoranthene	3.33	3.62		mg/Kg		109	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.96		mg/Kg		89	62 - 107
Bis(2-chloroethyl)ether	3.33	3.06		mg/Kg		92	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	3.08		mg/Kg		92	59 - 111
Butyl benzyl phthalate	3.33	3.09		mg/Kg		93	62 - 113
Caprolactam	1.33	1.17		mg/Kg		88	59 - 140
Carbazole	3.33	3.10		mg/Kg		93	64 - 113
Chrysene	3.33	3.12		mg/Kg		94	71 - 122
Dibenz(a,h)anthracene	3.33	3.59		mg/Kg		108	66 - 119
Dibenzofuran	3.33	3.03		mg/Kg		91	65 - 108
Diethyl phthalate	3.33	3.12		mg/Kg		94	63 - 109
Dimethyl phthalate	3.33	3.08		mg/Kg		92	65 - 109
Di-n-butyl phthalate	3.33	3.13		mg/Kg		94	66 - 114
Di-n-octyl phthalate	3.33	3.29		mg/Kg		99	65 - 122
Fluoranthene	3.33	3.17		mg/Kg		95	61 - 106
Fluorene	3.33	3.04		mg/Kg		91	65 - 109
Hexachlorobenzene	3.33	3.24		mg/Kg		97	61 - 113
Hexachlorobutadiene	3.33	3.20		mg/Kg		96	62 - 109
Hexachlorocyclopentadiene	3.33	1.99		mg/Kg		60	42 - 118
Hexachloroethane	3.33	2.85		mg/Kg		85	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.17		mg/Kg		95	62 - 121
Isophorone	3.33	3.09		mg/Kg		93	63 - 107
Naphthalene	3.33	3.03		mg/Kg		91	63 - 106
Nitrobenzene	3.33	3.08		mg/Kg		93	63 - 110
N-Nitrosodi-n-propylamine	3.33	3.02		mg/Kg		91	61 - 108
N-Nitrosodiphenylamine	3.33	3.11		mg/Kg		93	67 - 113
Pentachlorophenol	6.67	6.13		mg/Kg		92	44 - 126
Phenanthrene	3.33	3.13		mg/Kg		94	66 - 112
Phenol	3.33	3.03		mg/Kg		91	63 - 110
Pyrene	3.33	3.07		mg/Kg		92	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*85*		*10 - 105*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*94*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777805/3-A
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777805

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.13		mg/Kg		94	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene			3.33	3.15		mg/Kg		95	64 - 110	3	30
1,4-Dioxane			3.33	1.98		mg/Kg		59	31 - 81	16	30
2,2'-oxybis[1-chloropropane]			3.33	2.77		mg/Kg		83	49 - 109	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.10		mg/Kg		93	58 - 113	4	30
2,4,5-Trichlorophenol			3.33	3.09		mg/Kg		93	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	3.23		mg/Kg		97	63 - 113	5	30
2,4-Dichlorophenol			3.33	3.17		mg/Kg		95	66 - 113	0	30
2,4-Dimethylphenol			3.33	3.11		mg/Kg		93	63 - 107	1	30
2,4-Dinitrophenol			6.67	5.99		mg/Kg		90	25 - 150	5	30
2,4-Dinitrotoluene			3.33	3.39		mg/Kg		102	65 - 124	2	30
2,6-Dinitrotoluene			3.33	3.31		mg/Kg		99	67 - 121	3	30
2-Chloronaphthalene			3.33	3.13		mg/Kg		94	65 - 109	4	30
2-Chlorophenol			3.33	3.05		mg/Kg		91	63 - 106	0	30
2-Methylnaphthalene			3.33	3.14		mg/Kg		94	64 - 108	2	30
2-Methylphenol			3.33	3.07		mg/Kg		92	63 - 108	3	30
2-Nitroaniline			3.33	2.97		mg/Kg		89	59 - 119	2	30
2-Nitrophenol			3.33	3.11		mg/Kg		93	64 - 112	2	30
3,3'-Dichlorobenzidine			3.33	2.99		mg/Kg		90	17 - 101	15	30
3-Nitroaniline			3.33	2.64		mg/Kg		79	31 - 102	21	30
4,6-Dinitro-2-methylphenol			6.67	6.24		mg/Kg		94	44 - 136	4	30
4-Bromophenyl phenyl ether			3.33	3.26		mg/Kg		98	67 - 113	1	30
4-Chloro-3-methylphenol			3.33	3.19		mg/Kg		96	66 - 114	2	30
4-Chloroaniline			3.33	2.32		mg/Kg		70	20 - 98	23	30
4-Chlorophenyl phenyl ether			3.33	3.20		mg/Kg		96	66 - 110	5	30
4-Methylphenol			3.33	2.72		mg/Kg		81	61 - 108	1	30
4-Nitroaniline			3.33	2.91		mg/Kg		87	50 - 110	3	30
4-Nitrophenol			6.67	6.19		mg/Kg		93	47 - 123	4	30
Acenaphthene			3.33	3.13		mg/Kg		94	53 - 110	3	30
Acenaphthylene			3.33	3.11		mg/Kg		93	64 - 108	3	30
Acetophenone			3.33	2.93		mg/Kg		88	61 - 103	1	30
Anthracene			3.33	3.19		mg/Kg		96	67 - 114	3	30
Atrazine			1.33	1.42		mg/Kg		107	44 - 145	5	30
Benzaldehyde			1.33	1.31		mg/Kg		98	43 - 150	0	30
Benzo[a]anthracene			3.33	3.15		mg/Kg		94	67 - 115	2	30
Benzo[a]pyrene			3.33	3.69		mg/Kg		111	73 - 123	2	30
Benzo[b]fluoranthene			3.33	3.62		mg/Kg		109	70 - 125	5	30
Benzo[g,h,i]perylene			3.33	3.27		mg/Kg		98	61 - 113	2	30
Benzo[k]fluoranthene			3.33	3.59		mg/Kg		108	67 - 115	1	30
Bis(2-chloroethoxy)methane			3.33	3.01		mg/Kg		90	62 - 107	2	30
Bis(2-chloroethyl)ether			3.33	3.02		mg/Kg		90	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	3.15		mg/Kg		94	59 - 111	2	30
Butyl benzyl phthalate			3.33	3.18		mg/Kg		95	62 - 113	3	30
Caprolactam			1.33	1.19		mg/Kg		89	59 - 140	2	30
Carbazole			3.33	3.18		mg/Kg		95	64 - 113	3	30
Chrysene			3.33	3.20		mg/Kg		96	71 - 122	3	30
Dibenz(a,h)anthracene			3.33	3.72		mg/Kg		112	66 - 119	4	30
Dibenzofuran			3.33	3.17		mg/Kg		95	65 - 108	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777805/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 777903
Prep Batch: 777805

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	3.18		mg/Kg		96	63 - 109	2	30
Dimethyl phthalate			3.33	3.15		mg/Kg		94	65 - 109	2	30
Di-n-butyl phthalate			3.33	3.19		mg/Kg		96	66 - 114	2	30
Di-n-octyl phthalate			3.33	3.35		mg/Kg		101	65 - 122	2	30
Fluoranthene			3.33	3.27		mg/Kg		98	61 - 106	3	30
Fluorene			3.33	3.13		mg/Kg		94	65 - 109	3	30
Hexachlorobenzene			3.33	3.39		mg/Kg		102	61 - 113	4	30
Hexachlorobutadiene			3.33	3.24		mg/Kg		97	62 - 109	1	30
Hexachlorocyclopentadiene			3.33	2.13		mg/Kg		64	42 - 118	7	30
Hexachloroethane			3.33	2.88		mg/Kg		86	61 - 102	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.30		mg/Kg		99	62 - 121	4	30
Isophorone			3.33	3.07		mg/Kg		92	63 - 107	1	30
Naphthalene			3.33	3.03		mg/Kg		91	63 - 106	0	30
Nitrobenzene			3.33	3.06		mg/Kg		92	63 - 110	1	30
N-Nitrosodi-n-propylamine			3.33	2.99		mg/Kg		90	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	3.17		mg/Kg		95	67 - 113	2	30
Pentachlorophenol			6.67	6.26		mg/Kg		94	44 - 126	2	30
Phenanthrene			3.33	3.21		mg/Kg		96	66 - 112	3	30
Phenol			3.33	3.08		mg/Kg		92	63 - 110	1	30
Pyrene			3.33	3.13		mg/Kg		94	61 - 111	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*85*		*10 - 105*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Lab Sample ID: 460-234192-A-1-D MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 777903
Prep Batch: 777805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.40	U	4.00	3.81		mg/Kg	☼	95	65 - 110
1,2,4,5-Tetrachlorobenzene	0.40	U	4.00	3.99		mg/Kg	☼	100	64 - 110
1,4-Dioxane	0.040	U	4.00	2.22		mg/Kg	☼	56	31 - 81
2,2'-oxybis[1-chloropropane]	0.40	U	4.00	3.37		mg/Kg	☼	84	49 - 109
2,3,4,6-Tetrachlorophenol	0.40	U	4.00	3.57		mg/Kg	☼	89	58 - 113
2,4,5-Trichlorophenol	0.40	U	4.00	4.17		mg/Kg	☼	104	64 - 112
2,4,6-Trichlorophenol	0.16	U	4.00	3.94		mg/Kg	☼	98	63 - 113
2,4-Dichlorophenol	0.16	U	4.00	4.50		mg/Kg	☼	112	66 - 113
2,4-Dimethylphenol	0.40	U	4.00	4.01		mg/Kg	☼	100	63 - 107
2,4-Dinitrophenol	0.32	U	8.00	3.47		mg/Kg	☼	43	25 - 150
2,4-Dinitrotoluene	0.080	U	4.00	2.20	*	mg/Kg	☼	55	65 - 124
2,6-Dinitrotoluene	0.080	U	4.00	4.85		mg/Kg	☼	121	67 - 121
2-Chloronaphthalene	0.40	U	4.00	3.74		mg/Kg	☼	93	65 - 109
2-Chlorophenol	0.40	U	4.00	3.70		mg/Kg	☼	92	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234192-A-1-D MS
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.40	U	4.00	3.90		mg/Kg	☼	98	64 - 108
2-Methylphenol	0.40	U	4.00	3.58		mg/Kg	☼	90	63 - 108
2-Nitroaniline	0.40	U	4.00	3.26		mg/Kg	☼	82	59 - 119
2-Nitrophenol	0.40	U	4.00	0.358	J *	mg/Kg	☼	9	64 - 112
3,3'-Dichlorobenzidine	0.16	U	4.00	3.73		mg/Kg	☼	93	17 - 101
3-Nitroaniline	0.40	U	4.00	3.98		mg/Kg	☼	100	31 - 102
4,6-Dinitro-2-methylphenol	0.32	U	8.00	4.82		mg/Kg	☼	60	44 - 136
4-Bromophenyl phenyl ether	0.40	U	4.00	4.16		mg/Kg	☼	104	67 - 113
4-Chloro-3-methylphenol	0.40	U	4.00	3.62		mg/Kg	☼	90	66 - 114
4-Chloroaniline	0.40	U	4.00	3.62		mg/Kg	☼	90	20 - 98
4-Chlorophenyl phenyl ether	0.40	U	4.00	3.96		mg/Kg	☼	99	66 - 110
4-Methylphenol	0.40	U	4.00	3.28		mg/Kg	☼	82	61 - 108
4-Nitroaniline	0.40	U	4.00	3.39		mg/Kg	☼	85	50 - 110
4-Nitrophenol	0.80	U	8.00	5.41		mg/Kg	☼	68	47 - 123
Acenaphthene	0.67		4.00	4.48		mg/Kg	☼	95	53 - 110
Acenaphthylene	0.29	J	4.00	3.94		mg/Kg	☼	91	64 - 108
Acetophenone	0.40	U	4.00	3.44		mg/Kg	☼	86	61 - 103
Anthracene	0.29	J	4.00	4.27		mg/Kg	☼	100	67 - 114
Atrazine	0.16	U	1.60	2.26		mg/Kg	☼	141	44 - 145
Benzaldehyde	0.40	U	1.60	1.63	E	mg/Kg	☼	102	43 - 150
Benzo[a]anthracene	0.040	U	4.00	3.87		mg/Kg	☼	97	67 - 115
Benzo[a]pyrene	0.040	U	4.00	4.51		mg/Kg	☼	113	73 - 123
Benzo[b]fluoranthene	0.040	U	4.00	4.50		mg/Kg	☼	113	70 - 125
Benzo[g,h,i]perylene	0.40	U	4.00	2.35	*	mg/Kg	☼	59	61 - 113
Benzo[k]fluoranthene	0.040	U	4.00	4.49		mg/Kg	☼	112	67 - 115
Bis(2-chloroethoxy)methane	0.40	U	4.00	4.31	*	mg/Kg	☼	108	62 - 107
Bis(2-chloroethyl)ether	0.040	U	4.00	3.54		mg/Kg	☼	88	60 - 107
Bis(2-ethylhexyl) phthalate	0.14	J	4.00	3.89		mg/Kg	☼	94	59 - 111
Butyl benzyl phthalate	0.40	U	4.00	3.69		mg/Kg	☼	92	62 - 113
Caprolactam	0.40	U	1.60	0.40	U *	mg/Kg	☼	0	59 - 140
Carbazole	0.40	U	4.00	3.93		mg/Kg	☼	98	64 - 113
Chrysene	0.40	U	4.00	3.75		mg/Kg	☼	94	71 - 122
Dibenz(a,h)anthracene	0.040	U	4.00	3.22		mg/Kg	☼	80	66 - 119
Dibenzofuran	0.29	J	4.00	4.06		mg/Kg	☼	94	65 - 108
Diethyl phthalate	0.40	U	4.00	3.73		mg/Kg	☼	93	63 - 109
Dimethyl phthalate	0.40	U	4.00	3.66		mg/Kg	☼	91	65 - 109
Di-n-butyl phthalate	0.40	U	4.00	3.96		mg/Kg	☼	99	66 - 114
Di-n-octyl phthalate	0.40	U	4.00	4.30		mg/Kg	☼	108	65 - 122
Fluoranthene	0.088	J	4.00	4.47	*	mg/Kg	☼	110	61 - 106
Fluorene	1.4		4.00	5.01		mg/Kg	☼	91	65 - 109
Hexachlorobenzene	0.040	U	4.00	4.40		mg/Kg	☼	110	61 - 113
Hexachlorobutadiene	0.080	U	4.00	4.20		mg/Kg	☼	105	62 - 109
Hexachlorocyclopentadiene	0.40	U	4.00	0.543	*	mg/Kg	☼	14	42 - 118
Hexachloroethane	0.040	U	4.00	3.94		mg/Kg	☼	98	61 - 102
Indeno[1,2,3-cd]pyrene	0.040	U	4.00	2.56		mg/Kg	☼	64	62 - 121
Isophorone	0.16	U	4.00	4.04		mg/Kg	☼	101	63 - 107
Naphthalene	0.68		4.00	4.74		mg/Kg	☼	101	63 - 106
Nitrobenzene	0.040	U	4.00	3.90		mg/Kg	☼	97	63 - 110
N-Nitrosodi-n-propylamine	0.040	U	4.00	4.70	*	mg/Kg	☼	117	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234192-A-1-D MS
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.40	U	4.00	12.8	E *	mg/Kg	☼	320	67 - 113
Pentachlorophenol	0.32	U	8.00	8.55		mg/Kg	☼	107	44 - 126
Phenanthrene	0.64		4.00	4.72		mg/Kg	☼	102	66 - 112
Phenol	0.40	U	4.00	3.66		mg/Kg	☼	91	63 - 110
Pyrene	1.1		4.00	4.73		mg/Kg	☼	90	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*80*		*10 - 105*
Nitrobenzene-d5 (Surr)	*102*		*11 - 104*
Phenol-d5 (Surr)	*85*		*15 - 100*
Terphenyl-d14 (Surr)	*94*		*12 - 126*

Lab Sample ID: 460-234192-A-1-E MSD
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.40	U	4.00	3.58		mg/Kg	☼	89	65 - 110	6	30
1,2,4,5-Tetrachlorobenzene	0.40	U	4.00	3.85		mg/Kg	☼	96	64 - 110	4	30
1,4-Dioxane	0.040	U	4.00	2.43		mg/Kg	☼	61	31 - 81	9	30
2,2'-oxybis[1-chloropropane]	0.40	U	4.00	3.28		mg/Kg	☼	82	49 - 109	3	30
2,3,4,6-Tetrachlorophenol	0.40	U	4.00	3.48		mg/Kg	☼	87	58 - 113	3	30
2,4,5-Trichlorophenol	0.40	U	4.00	3.77		mg/Kg	☼	94	64 - 112	10	30
2,4,6-Trichlorophenol	0.16	U	4.00	3.68		mg/Kg	☼	92	63 - 113	7	30
2,4-Dichlorophenol	0.16	U	4.00	4.33		mg/Kg	☼	108	66 - 113	4	30
2,4-Dimethylphenol	0.40	U	4.00	3.81		mg/Kg	☼	95	63 - 107	5	30
2,4-Dinitrophenol	0.32	U	8.00	3.32		mg/Kg	☼	41	25 - 150	4	30
2,4-Dinitrotoluene	0.080	U	4.00	5.44	*	mg/Kg	☼	136	65 - 124	85	30
2,6-Dinitrotoluene	0.080	U	4.00	5.51	*	mg/Kg	☼	138	67 - 121	13	30
2-Chloronaphthalene	0.40	U	4.00	3.61		mg/Kg	☼	90	65 - 109	3	30
2-Chlorophenol	0.40	U	4.00	3.60		mg/Kg	☼	90	63 - 106	3	30
2-Methylnaphthalene	0.40	U	4.00	3.74		mg/Kg	☼	93	64 - 108	4	30
2-Methylphenol	0.40	U	4.00	3.48		mg/Kg	☼	87	63 - 108	3	30
2-Nitroaniline	0.40	U	4.00	3.06		mg/Kg	☼	76	59 - 119	7	30
2-Nitrophenol	0.40	U	4.00	3.63	*	mg/Kg	☼	91	64 - 112	164	30
3,3'-Dichlorobenzidine	0.16	U	4.00	3.54		mg/Kg	☼	88	17 - 101	5	30
3-Nitroaniline	0.40	U	4.00	3.83		mg/Kg	☼	96	31 - 102	4	30
4,6-Dinitro-2-methylphenol	0.32	U	8.00	4.48		mg/Kg	☼	56	44 - 136	7	30
4-Bromophenyl phenyl ether	0.40	U	4.00	3.85		mg/Kg	☼	96	67 - 113	8	30
4-Chloro-3-methylphenol	0.40	U	4.00	3.55		mg/Kg	☼	89	66 - 114	2	30
4-Chloroaniline	0.40	U	4.00	2.97		mg/Kg	☼	74	20 - 98	20	30
4-Chlorophenyl phenyl ether	0.40	U	4.00	3.79		mg/Kg	☼	95	66 - 110	4	30
4-Methylphenol	0.40	U	4.00	3.19		mg/Kg	☼	80	61 - 108	3	30
4-Nitroaniline	0.40	U	4.00	2.68		mg/Kg	☼	67	50 - 110	23	30
4-Nitrophenol	0.80	U	8.00	5.44		mg/Kg	☼	68	47 - 123	1	30
Acenaphthene	0.67		4.00	4.23		mg/Kg	☼	89	53 - 110	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234192-A-1-E MSD
Matrix: Solid
Analysis Batch: 777903

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.29	J	4.00	3.75		mg/Kg	☼	87	64 - 108	5	30
Acetophenone	0.40	U	4.00	3.43		mg/Kg	☼	86	61 - 103	0	30
Anthracene	0.29	J	4.00	4.02		mg/Kg	☼	93	67 - 114	6	30
Atrazine	0.16	U	1.60	2.66	E *	mg/Kg	☼	166	44 - 145	16	30
Benzaldehyde	0.40	U	1.60	1.61	E	mg/Kg	☼	101	43 - 150	1	30
Benzo[a]anthracene	0.040	U	4.00	3.72		mg/Kg	☼	93	67 - 115	4	30
Benzo[a]pyrene	0.040	U	4.00	4.38		mg/Kg	☼	110	73 - 123	3	30
Benzo[b]fluoranthene	0.040	U	4.00	4.36		mg/Kg	☼	109	70 - 125	3	30
Benzo[g,h,i]perylene	0.40	U	4.00	3.02		mg/Kg	☼	76	61 - 113	25	30
Benzo[k]fluoranthene	0.040	U	4.00	4.28		mg/Kg	☼	107	67 - 115	5	30
Bis(2-chloroethoxy)methane	0.40	U	4.00	4.11		mg/Kg	☼	103	62 - 107	5	30
Bis(2-chloroethyl)ether	0.040	U	4.00	3.50		mg/Kg	☼	87	60 - 107	1	30
Bis(2-ethylhexyl) phthalate	0.14	J	4.00	3.74		mg/Kg	☼	90	59 - 111	4	30
Butyl benzyl phthalate	0.40	U	4.00	3.49		mg/Kg	☼	87	62 - 113	6	30
Caprolactam	0.40	U	1.60	0.430	*	mg/Kg	☼	27	59 - 140	NC	30
Carbazole	0.40	U	4.00	3.74		mg/Kg	☼	94	64 - 113	5	30
Chrysene	0.40	U	4.00	3.76		mg/Kg	☼	94	71 - 122	0	30
Dibenz(a,h)anthracene	0.040	U	4.00	3.72		mg/Kg	☼	93	66 - 119	14	30
Dibenzofuran	0.29	J	4.00	3.89		mg/Kg	☼	90	65 - 108	4	30
Diethyl phthalate	0.40	U	4.00	3.59		mg/Kg	☼	90	63 - 109	4	30
Dimethyl phthalate	0.40	U	4.00	3.47		mg/Kg	☼	87	65 - 109	5	30
Di-n-butyl phthalate	0.40	U	4.00	3.73		mg/Kg	☼	93	66 - 114	6	30
Di-n-octyl phthalate	0.40	U	4.00	4.09		mg/Kg	☼	102	65 - 122	5	30
Fluoranthene	0.088	J	4.00	4.22		mg/Kg	☼	103	61 - 106	6	30
Fluorene	1.4		4.00	4.91		mg/Kg	☼	89	65 - 109	2	30
Hexachlorobenzene	0.040	U	4.00	4.10		mg/Kg	☼	102	61 - 113	7	30
Hexachlorobutadiene	0.080	U	4.00	4.01		mg/Kg	☼	100	62 - 109	5	30
Hexachlorocyclopentadiene	0.40	U	4.00	0.522	*	mg/Kg	☼	13	42 - 118	4	30
Hexachloroethane	0.040	U	4.00	3.84		mg/Kg	☼	96	61 - 102	3	30
Indeno[1,2,3-cd]pyrene	0.040	U	4.00	3.15		mg/Kg	☼	79	62 - 121	21	30
Isophorone	0.16	U	4.00	5.43	*	mg/Kg	☼	136	63 - 107	29	30
Naphthalene	0.68		4.00	4.55		mg/Kg	☼	97	63 - 106	4	30
Nitrobenzene	0.040	U	4.00	3.85		mg/Kg	☼	96	63 - 110	1	30
N-Nitrosodi-n-propylamine	0.040	U	4.00	4.41	*	mg/Kg	☼	110	61 - 108	6	30
N-Nitrosodiphenylamine	0.40	U	4.00	12.3	E *	mg/Kg	☼	308	67 - 113	4	30
Pentachlorophenol	0.32	U	8.00	7.97		mg/Kg	☼	100	44 - 126	7	30
Phenanthrene	0.64		4.00	4.50		mg/Kg	☼	97	66 - 112	5	30
Phenol	0.40	U	4.00	3.60		mg/Kg	☼	90	63 - 110	2	30
Pyrene	1.1		4.00	4.62		mg/Kg	☼	88	61 - 111	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 123*
2-Fluorobiphenyl	*77*		*14 - 103*
2-Fluorophenol (Surr)	*80*		*10 - 105*
Nitrobenzene-d5 (Surr)	*98*		*11 - 104*
Phenol-d5 (Surr)	*84*		*15 - 100*
Terphenyl-d14 (Surr)	*90*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-777833/1-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/13/21 20:57	05/14/21 01:37	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/13/21 20:57	05/14/21 01:37	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/13/21 20:57	05/14/21 01:37	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/13/21 20:57	05/14/21 01:37	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/13/21 20:57	05/14/21 01:37	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/13/21 20:57	05/14/21 01:37	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/13/21 20:57	05/14/21 01:37	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/13/21 20:57	05/14/21 01:37	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/13/21 20:57	05/14/21 01:37	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/13/21 20:57	05/14/21 01:37	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/13/21 20:57	05/14/21 01:37	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/13/21 20:57	05/14/21 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*33 - 150*	*05/13/21 20:57*	*05/14/21 01:37*	*1*
2-Fluorobiphenyl	*73*		*42 - 127*	*05/13/21 20:57*	*05/14/21 01:37*	*1*
2-Fluorophenol (Surr)	*23*		*18 - 72*	*05/13/21 20:57*	*05/14/21 01:37*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 137*	*05/13/21 20:57*	*05/14/21 01:37*	*1*
Phenol-d5 (Surr)	*16*		*10 - 50*	*05/13/21 20:57*	*05/14/21 01:37*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 150*	*05/13/21 20:57*	*05/14/21 01:37*	*1*

Lab Sample ID: LCS 460-777833/2-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0518		mg/L		65	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0627		mg/L		78	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0625		mg/L		78	66 - 117
3 & 4 Methylphenol	0.0800	0.0361		mg/L		45	43 - 78
2,4-Dinitrotoluene	0.0800	0.0832		mg/L		104	68 - 134
Pyridine	0.160	0.0504		mg/L		31	13 - 71
2-Methylphenol	0.0800	0.0405		mg/L		51	48 - 88
Hexachlorobenzene	0.0800	0.0651		mg/L		81	61 - 117
Hexachlorobutadiene	0.0800	0.0596		mg/L		75	10 - 133
Hexachloroethane	0.0800	0.0524		mg/L		65	17 - 115
Nitrobenzene	0.0800	0.0670		mg/L		84	71 - 116
Pentachlorophenol	0.160	0.151		mg/L		94	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*33 - 150*
2-Fluorobiphenyl	*71*		*42 - 127*
2-Fluorophenol (Surr)	*28*		*18 - 72*
Nitrobenzene-d5 (Surr)	*82*		*46 - 137*
Phenol-d5 (Surr)	*19*		*10 - 50*
Terphenyl-d14 (Surr)	*75*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-777833/3-A
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777833

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0510		mg/L		64	40 - 102	2	30
2,4,5-Trichlorophenol			0.0800	0.0622		mg/L		78	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0619		mg/L		77	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0355		mg/L		44	43 - 78	2	30
2,4-Dinitrotoluene			0.0800	0.0836		mg/L		104	68 - 134	0	30
Pyridine			0.160	0.0501		mg/L		31	13 - 71	1	30
2-Methylphenol			0.0800	0.0407		mg/L		51	48 - 88	0	30
Hexachlorobenzene			0.0800	0.0645		mg/L		81	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0591		mg/L		74	10 - 133	1	30
Hexachloroethane			0.0800	0.0518		mg/L		65	17 - 115	1	30
Nitrobenzene			0.0800	0.0656		mg/L		82	71 - 116	2	30
Pentachlorophenol			0.160	0.150		mg/L		94	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*33 - 150*
2-Fluorobiphenyl	*70*		*42 - 127*
2-Fluorophenol (Surr)	*28*		*18 - 72*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*
Phenol-d5 (Surr)	*19*		*10 - 50*
Terphenyl-d14 (Surr)	*75*		*39 - 150*

Lab Sample ID: MB 460-778093/1-A
Matrix: Solid
Analysis Batch: 778059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/14/21 21:03	05/14/21 23:23	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/14/21 21:03	05/14/21 23:23	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/14/21 21:03	05/14/21 23:23	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/14/21 21:03	05/14/21 23:23	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/14/21 21:03	05/14/21 23:23	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/14/21 21:03	05/14/21 23:23	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/14/21 21:03	05/14/21 23:23	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/14/21 21:03	05/14/21 23:23	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/14/21 21:03	05/14/21 23:23	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/14/21 21:03	05/14/21 23:23	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/14/21 21:03	05/14/21 23:23	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/14/21 21:03	05/14/21 23:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*33 - 150*	*05/14/21 21:03*	*05/14/21 23:23*	*1*
2-Fluorobiphenyl	*72*		*42 - 127*	*05/14/21 21:03*	*05/14/21 23:23*	*1*
2-Fluorophenol (Surr)	*30*		*18 - 72*	*05/14/21 21:03*	*05/14/21 23:23*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 137*	*05/14/21 21:03*	*05/14/21 23:23*	*1*
Phenol-d5 (Surr)	*17*		*10 - 50*	*05/14/21 21:03*	*05/14/21 23:23*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 150*	*05/14/21 21:03*	*05/14/21 23:23*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778093/2-A
Matrix: Solid
Analysis Batch: 778059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0536		mg/L		67	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0590		mg/L		74	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0631		mg/L		79	66 - 117
3 & 4 Methylphenol	0.0800	0.0334	*	mg/L		42	43 - 78
2,4-Dinitrotoluene	0.0800	0.0645		mg/L		81	68 - 134
Pyridine	0.160	0.0467		mg/L		29	13 - 71
2-Methylphenol	0.0800	0.0396		mg/L		50	48 - 88
Hexachlorobenzene	0.0800	0.0637		mg/L		80	61 - 117
Hexachlorobutadiene	0.0800	0.0604		mg/L		76	10 - 133
Hexachloroethane	0.0800	0.0533		mg/L		67	17 - 115
Nitrobenzene	0.0800	0.0603		mg/L		75	71 - 116
Pentachlorophenol	0.160	0.142		mg/L		89	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*
2-Fluorobiphenyl	*75*		*42 - 127*
2-Fluorophenol (Surr)	*30*		*18 - 72*
Nitrobenzene-d5 (Surr)	*69*		*46 - 137*
Phenol-d5 (Surr)	*18*		*10 - 50*
Terphenyl-d14 (Surr)	*73*		*39 - 150*

Lab Sample ID: LCSD 460-778093/3-A
Matrix: Solid
Analysis Batch: 778059

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0534		mg/L		67	40 - 102	0	30
2,4,5-Trichlorophenol	0.0800	0.0584		mg/L		73	63 - 112	1	30
2,4,6-Trichlorophenol	0.0800	0.0631		mg/L		79	66 - 117	0	30
3 & 4 Methylphenol	0.0800	0.0332	*	mg/L		42	43 - 78	1	30
2,4-Dinitrotoluene	0.0800	0.0669		mg/L		84	68 - 134	4	30
Pyridine	0.160	0.0478		mg/L		30	13 - 71	2	30
2-Methylphenol	0.0800	0.0394		mg/L		49	48 - 88	0	30
Hexachlorobenzene	0.0800	0.0637		mg/L		80	61 - 117	0	30
Hexachlorobutadiene	0.0800	0.0603		mg/L		75	10 - 133	0	30
Hexachloroethane	0.0800	0.0531		mg/L		66	17 - 115	0	30
Nitrobenzene	0.0800	0.0600		mg/L		75	71 - 116	0	30
Pentachlorophenol	0.160	0.145		mg/L		90	54 - 131	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*
2-Fluorobiphenyl	*74*		*42 - 127*
2-Fluorophenol (Surr)	*30*		*18 - 72*
Nitrobenzene-d5 (Surr)	*70*		*46 - 137*
Phenol-d5 (Surr)	*18*		*10 - 50*
Terphenyl-d14 (Surr)	*74*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778165/1-A
Matrix: Solid
Analysis Batch: 778197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/15/21 13:22	05/15/21 19:53	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/15/21 13:22	05/15/21 19:53	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/15/21 13:22	05/15/21 19:53	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/15/21 13:22	05/15/21 19:53	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/15/21 13:22	05/15/21 19:53	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/15/21 13:22	05/15/21 19:53	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/15/21 13:22	05/15/21 19:53	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/15/21 13:22	05/15/21 19:53	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/15/21 13:22	05/15/21 19:53	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/15/21 13:22	05/15/21 19:53	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/15/21 13:22	05/15/21 19:53	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/15/21 13:22	05/15/21 19:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*33 - 150*	*05/15/21 13:22*	*05/15/21 19:53*	*1*
2-Fluorobiphenyl	*95*		*42 - 127*	*05/15/21 13:22*	*05/15/21 19:53*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*05/15/21 13:22*	*05/15/21 19:53*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*05/15/21 13:22*	*05/15/21 19:53*	*1*
Phenol-d5 (Surr)	*35*		*10 - 50*	*05/15/21 13:22*	*05/15/21 19:53*	*1*
Terphenyl-d14 (Surr)	*117*		*39 - 150*	*05/15/21 13:22*	*05/15/21 19:53*	*1*

Lab Sample ID: LCS 460-778165/2-A
Matrix: Solid
Analysis Batch: 778197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0700		mg/L		88	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0732		mg/L		91	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0792		mg/L		99	66 - 117
3 & 4 Methylphenol	0.0800	0.0511		mg/L		64	43 - 78
2,4-Dinitrotoluene	0.0800	0.0686		mg/L		86	68 - 134
Pyridine	0.160	0.0704		mg/L		44	13 - 71
2-Methylphenol	0.0800	0.0547		mg/L		68	48 - 88
Hexachlorobenzene	0.0800	0.0773		mg/L		97	61 - 117
Hexachlorobutadiene	0.0800	0.0827		mg/L		103	10 - 133
Hexachloroethane	0.0800	0.0705		mg/L		88	17 - 115
Nitrobenzene	0.0800	0.0756		mg/L		94	71 - 116
Pentachlorophenol	0.160	0.150		mg/L		94	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*33 - 150*
2-Fluorobiphenyl	*103*		*42 - 127*
2-Fluorophenol (Surr)	*54*		*18 - 72*
Nitrobenzene-d5 (Surr)	*100*		*46 - 137*
Phenol-d5 (Surr)	*38*		*10 - 50*
Terphenyl-d14 (Surr)	*114*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778165/3-A
Matrix: Solid
Analysis Batch: 778197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0743		mg/L		93	40 - 102	6	30
2,4,5-Trichlorophenol			0.0800	0.0743		mg/L		93	63 - 112	2	30
2,4,6-Trichlorophenol			0.0800	0.0789		mg/L		99	66 - 117	0	30
3 & 4 Methylphenol			0.0800	0.0513		mg/L		64	43 - 78	0	30
2,4-Dinitrotoluene			0.0800	0.0713		mg/L		89	68 - 134	4	30
Pyridine			0.160	0.0639		mg/L		40	13 - 71	10	30
2-Methylphenol			0.0800	0.0539		mg/L		67	48 - 88	2	30
Hexachlorobenzene			0.0800	0.0828		mg/L		103	61 - 117	7	30
Hexachlorobutadiene			0.0800	0.0850		mg/L		106	10 - 133	3	30
Hexachloroethane			0.0800	0.0703		mg/L		88	17 - 115	0	30
Nitrobenzene			0.0800	0.0818		mg/L		102	71 - 116	8	30
Pentachlorophenol			0.160	0.147		mg/L		92	54 - 131	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*33 - 150*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol (Surr)	*50*		*18 - 72*
Nitrobenzene-d5 (Surr)	*99*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*114*		*39 - 150*

Lab Sample ID: MB 460-778174/1-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/15/21 14:23	05/15/21 19:45	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778174/1-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/15/21 14:23	05/15/21 19:45	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/15/21 14:23	05/15/21 19:45	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778174/1-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778174

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg				05/15/21 14:23	05/15/21 19:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		10 - 123	05/15/21 14:23	05/15/21 19:45	1
2-Fluorobiphenyl	74		14 - 103	05/15/21 14:23	05/15/21 19:45	1
2-Fluorophenol (Surr)	76		10 - 105	05/15/21 14:23	05/15/21 19:45	1
Nitrobenzene-d5 (Surr)	76		11 - 104	05/15/21 14:23	05/15/21 19:45	1
Phenol-d5 (Surr)	70		15 - 100	05/15/21 14:23	05/15/21 19:45	1
Terphenyl-d14 (Surr)	87		12 - 126	05/15/21 14:23	05/15/21 19:45	1

Lab Sample ID: LCS 460-778174/2-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.63		mg/Kg		79	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.62		mg/Kg		79	64 - 110
1,4-Dioxane	3.33	2.23		mg/Kg		67	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.50		mg/Kg		75	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.49		mg/Kg		75	58 - 113
2,4,5-Trichlorophenol	3.33	2.49		mg/Kg		75	64 - 112
2,4,6-Trichlorophenol	3.33	2.61		mg/Kg		78	63 - 113
2,4-Dichlorophenol	3.33	2.70		mg/Kg		81	66 - 113
2,4-Dimethylphenol	3.33	2.62		mg/Kg		78	63 - 107
2,4-Dinitrophenol	6.67	4.59		mg/Kg		69	25 - 150
2,4-Dinitrotoluene	3.33	2.74		mg/Kg		82	65 - 124
2,6-Dinitrotoluene	3.33	2.70		mg/Kg		81	67 - 121
2-Chloronaphthalene	3.33	2.61		mg/Kg		78	65 - 109
2-Chlorophenol	3.33	2.61		mg/Kg		78	63 - 106
2-Methylnaphthalene	3.33	2.67		mg/Kg		80	64 - 108
2-Methylphenol	3.33	2.62		mg/Kg		79	63 - 108
2-Nitroaniline	3.33	2.15		mg/Kg		64	59 - 119
2-Nitrophenol	3.33	2.65		mg/Kg		80	64 - 112
3,3'-Dichlorobenzidine	3.33	2.60		mg/Kg		78	17 - 101
3-Nitroaniline	3.33	2.37		mg/Kg		71	31 - 102
4,6-Dinitro-2-methylphenol	6.67	4.96		mg/Kg		74	44 - 136
4-Bromophenyl phenyl ether	3.33	2.63		mg/Kg		79	67 - 113
4-Chloro-3-methylphenol	3.33	2.65		mg/Kg		79	66 - 114
4-Chloroaniline	3.33	2.40		mg/Kg		72	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.59		mg/Kg		78	66 - 110
4-Methylphenol	3.33	2.40		mg/Kg		72	61 - 108
4-Nitroaniline	3.33	2.32		mg/Kg		69	50 - 110
4-Nitrophenol	6.67	4.80		mg/Kg		72	47 - 123
Acenaphthene	3.33	2.57		mg/Kg		77	53 - 110
Acenaphthylene	3.33	2.55		mg/Kg		77	64 - 108
Acetophenone	3.33	2.52		mg/Kg		75	61 - 103
Anthracene	3.33	2.56		mg/Kg		77	67 - 114
Atrazine	1.33	1.14		mg/Kg		85	44 - 145

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778174/2-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	1.33	1.17		mg/Kg		88	43 - 150
Benzo[a]anthracene	3.33	2.53		mg/Kg		76	67 - 115
Benzo[a]pyrene	3.33	2.98		mg/Kg		89	73 - 123
Benzo[b]fluoranthene	3.33	2.95		mg/Kg		89	70 - 125
Benzo[g,h,i]perylene	3.33	2.59		mg/Kg		78	61 - 113
Benzo[k]fluoranthene	3.33	2.83		mg/Kg		85	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.55		mg/Kg		76	62 - 107
Bis(2-chloroethyl)ether	3.33	2.65		mg/Kg		79	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.55		mg/Kg		76	59 - 111
Butyl benzyl phthalate	3.33	2.56		mg/Kg		77	62 - 113
Caprolactam	1.33	1.06		mg/Kg		80	59 - 140
Carbazole	3.33	2.55		mg/Kg		76	64 - 113
Chrysene	3.33	2.66		mg/Kg		80	71 - 122
Dibenz(a,h)anthracene	3.33	2.97		mg/Kg		89	66 - 119
Dibenzofuran	3.33	2.58		mg/Kg		77	65 - 108
Diethyl phthalate	3.33	2.56		mg/Kg		77	63 - 109
Dimethyl phthalate	3.33	2.54		mg/Kg		76	65 - 109
Di-n-butyl phthalate	3.33	2.57		mg/Kg		77	66 - 114
Di-n-octyl phthalate	3.33	2.73		mg/Kg		82	65 - 122
Fluoranthene	3.33	2.58		mg/Kg		78	61 - 106
Fluorene	3.33	2.55		mg/Kg		77	65 - 109
Hexachlorobenzene	3.33	2.65		mg/Kg		80	61 - 113
Hexachlorobutadiene	3.33	2.77		mg/Kg		83	62 - 109
Hexachlorocyclopentadiene	3.33	1.70		mg/Kg		51	42 - 118
Hexachloroethane	3.33	2.50		mg/Kg		75	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	2.74		mg/Kg		82	62 - 121
Isophorone	3.33	2.69		mg/Kg		81	63 - 107
Naphthalene	3.33	2.62		mg/Kg		79	63 - 106
Nitrobenzene	3.33	2.70		mg/Kg		81	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.64		mg/Kg		79	61 - 108
N-Nitrosodiphenylamine	3.33	2.53		mg/Kg		76	67 - 113
Pentachlorophenol	6.67	4.92		mg/Kg		74	44 - 126
Phenanthrene	3.33	2.52		mg/Kg		76	66 - 112
Phenol	3.33	2.69		mg/Kg		81	63 - 110
Pyrene	3.33	2.51		mg/Kg		75	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 123*
2-Fluorobiphenyl	*74*		*14 - 103*
2-Fluorophenol (Surr)	*75*		*10 - 105*
Nitrobenzene-d5 (Surr)	*75*		*11 - 104*
Phenol-d5 (Surr)	*76*		*15 - 100*
Terphenyl-d14 (Surr)	*84*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778174/3-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778174

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.48		mg/Kg		74	65 - 110	6	30
1,2,4,5-Tetrachlorobenzene			3.33	2.52		mg/Kg		76	64 - 110	4	30
1,4-Dioxane			3.33	2.26		mg/Kg		68	31 - 81	1	30
2,2'-oxybis[1-chloropropane]			3.33	2.35		mg/Kg		70	49 - 109	6	30
2,3,4,6-Tetrachlorophenol			3.33	2.42		mg/Kg		73	58 - 113	3	30
2,4,5-Trichlorophenol			3.33	2.45		mg/Kg		73	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	2.50		mg/Kg		75	63 - 113	4	30
2,4-Dichlorophenol			3.33	2.55		mg/Kg		76	66 - 113	6	30
2,4-Dimethylphenol			3.33	2.48		mg/Kg		74	63 - 107	5	30
2,4-Dinitrophenol			6.67	4.43		mg/Kg		66	25 - 150	3	30
2,4-Dinitrotoluene			3.33	2.66		mg/Kg		80	65 - 124	3	30
2,6-Dinitrotoluene			3.33	2.62		mg/Kg		79	67 - 121	3	30
2-Chloronaphthalene			3.33	2.48		mg/Kg		74	65 - 109	5	30
2-Chlorophenol			3.33	2.52		mg/Kg		75	63 - 106	4	30
2-Methylnaphthalene			3.33	2.51		mg/Kg		75	64 - 108	6	30
2-Methylphenol			3.33	2.46		mg/Kg		74	63 - 108	6	30
2-Nitroaniline			3.33	2.15		mg/Kg		65	59 - 119	0	30
2-Nitrophenol			3.33	2.48		mg/Kg		75	64 - 112	7	30
3,3'-Dichlorobenzidine			3.33	2.45		mg/Kg		74	17 - 101	6	30
3-Nitroaniline			3.33	2.22		mg/Kg		67	31 - 102	7	30
4,6-Dinitro-2-methylphenol			6.67	4.64		mg/Kg		70	44 - 136	7	30
4-Bromophenyl phenyl ether			3.33	2.44		mg/Kg		73	67 - 113	7	30
4-Chloro-3-methylphenol			3.33	2.46		mg/Kg		74	66 - 114	7	30
4-Chloroaniline			3.33	2.26		mg/Kg		68	20 - 98	6	30
4-Chlorophenyl phenyl ether			3.33	2.48		mg/Kg		75	66 - 110	4	30
4-Methylphenol			3.33	2.13		mg/Kg		64	61 - 108	12	30
4-Nitroaniline			3.33	2.34		mg/Kg		70	50 - 110	1	30
4-Nitrophenol			6.67	4.65		mg/Kg		70	47 - 123	3	30
Acenaphthene			3.33	2.44		mg/Kg		73	53 - 110	5	30
Acenaphthylene			3.33	2.44		mg/Kg		73	64 - 108	4	30
Acetophenone			3.33	2.36		mg/Kg		71	61 - 103	6	30
Anthracene			3.33	2.43		mg/Kg		73	67 - 114	5	30
Atrazine			1.33	1.09		mg/Kg		82	44 - 145	4	30
Benzaldehyde			1.33	1.07		mg/Kg		80	43 - 150	9	30
Benzo[a]anthracene			3.33	2.37		mg/Kg		71	67 - 115	6	30
Benzo[a]pyrene			3.33	2.87		mg/Kg		86	73 - 123	4	30
Benzo[b]fluoranthene			3.33	2.80		mg/Kg		84	70 - 125	5	30
Benzo[g,h,i]perylene			3.33	2.57		mg/Kg		77	61 - 113	1	30
Benzo[k]fluoranthene			3.33	2.75		mg/Kg		83	67 - 115	3	30
Bis(2-chloroethoxy)methane			3.33	2.41		mg/Kg		72	62 - 107	5	30
Bis(2-chloroethyl)ether			3.33	2.52		mg/Kg		76	60 - 107	5	30
Bis(2-ethylhexyl) phthalate			3.33	2.41		mg/Kg		72	59 - 111	6	30
Butyl benzyl phthalate			3.33	2.39		mg/Kg		72	62 - 113	7	30
Caprolactam			1.33	0.977		mg/Kg		73	59 - 140	8	30
Carbazole			3.33	2.44		mg/Kg		73	64 - 113	4	30
Chrysene			3.33	2.52		mg/Kg		76	71 - 122	5	30
Dibenz(a,h)anthracene			3.33	2.92		mg/Kg		88	66 - 119	2	30
Dibenzofuran			3.33	2.46		mg/Kg		74	65 - 108	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778174/3-A
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778174

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	2.48		mg/Kg		74	63 - 109	3	30
Dimethyl phthalate			3.33	2.45		mg/Kg		73	65 - 109	4	30
Di-n-butyl phthalate			3.33	2.44		mg/Kg		73	66 - 114	5	30
Di-n-octyl phthalate			3.33	2.62		mg/Kg		78	65 - 122	4	30
Fluoranthene			3.33	2.44		mg/Kg		73	61 - 106	6	30
Fluorene			3.33	2.46		mg/Kg		74	65 - 109	4	30
Hexachlorobenzene			3.33	2.50		mg/Kg		75	61 - 113	6	30
Hexachlorobutadiene			3.33	2.66		mg/Kg		80	62 - 109	4	30
Hexachlorocyclopentadiene			3.33	1.60		mg/Kg		48	42 - 118	6	30
Hexachloroethane			3.33	2.38		mg/Kg		71	61 - 102	5	30
Indeno[1,2,3-cd]pyrene			3.33	2.86		mg/Kg		86	62 - 121	4	30
Isophorone			3.33	2.50		mg/Kg		75	63 - 107	7	30
Naphthalene			3.33	2.51		mg/Kg		75	63 - 106	4	30
Nitrobenzene			3.33	2.52		mg/Kg		76	63 - 110	7	30
N-Nitrosodi-n-propylamine			3.33	2.51		mg/Kg		75	61 - 108	5	30
N-Nitrosodiphenylamine			3.33	2.38		mg/Kg		71	67 - 113	6	30
Pentachlorophenol			6.67	4.66		mg/Kg		70	44 - 126	6	30
Phenanthrene			3.33	2.42		mg/Kg		73	66 - 112	4	30
Phenol			3.33	2.51		mg/Kg		75	63 - 110	7	30
Pyrene			3.33	2.37		mg/Kg		71	61 - 111	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 123*
2-Fluorobiphenyl	*71*		*14 - 103*
2-Fluorophenol (Surr)	*71*		*10 - 105*
Nitrobenzene-d5 (Surr)	*72*		*11 - 104*
Phenol-d5 (Surr)	*71*		*15 - 100*
Terphenyl-d14 (Surr)	*80*		*12 - 126*

Lab Sample ID: 460-234417-A-5-A MS
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.023	J	3.47	2.40		mg/Kg	☼	68	65 - 110
1,2,4,5-Tetrachlorobenzene	0.34	U	3.47	2.45		mg/Kg	☼	71	64 - 110
1,4-Dioxane	0.034	U	3.47	1.41		mg/Kg	☼	41	31 - 81
2,2'-oxybis[1-chloropropane]	0.34	U	3.47	2.14		mg/Kg	☼	62	49 - 109
2,3,4,6-Tetrachlorophenol	0.34	U	3.47	2.31		mg/Kg	☼	67	58 - 113
2,4,5-Trichlorophenol	0.34	U	3.47	2.43		mg/Kg	☼	70	64 - 112
2,4,6-Trichlorophenol	0.14	U	3.47	2.48		mg/Kg	☼	71	63 - 113
2,4-Dichlorophenol	0.14	U	3.47	2.50		mg/Kg	☼	72	66 - 113
2,4-Dimethylphenol	0.34	U	3.47	2.45		mg/Kg	☼	71	63 - 107
2,4-Dinitrophenol	0.28	U	6.94	1.46	*	mg/Kg	☼	21	25 - 150
2,4-Dinitrotoluene	0.070	U	3.47	2.53		mg/Kg	☼	73	65 - 124
2,6-Dinitrotoluene	0.070	U	3.47	2.49		mg/Kg	☼	72	67 - 121
2-Chloronaphthalene	0.34	U	3.47	2.37		mg/Kg	☼	68	65 - 109
2-Chlorophenol	0.34	U	3.47	2.40		mg/Kg	☼	69	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234417-A-5-A MS
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.17	J	3.47	2.45		mg/Kg	☼	66	64 - 108
2-Methylphenol	0.34	U	3.47	2.37		mg/Kg	☼	68	63 - 108
2-Nitroaniline	0.34	U	3.47	2.00	*	mg/Kg	☼	58	59 - 119
2-Nitrophenol	0.34	U	3.47	2.37		mg/Kg	☼	68	64 - 112
3,3'-Dichlorobenzidine	0.14	U	3.47	1.81		mg/Kg	☼	52	17 - 101
3-Nitroaniline	0.34	U	3.47	2.09		mg/Kg	☼	60	31 - 102
4,6-Dinitro-2-methylphenol	0.28	U	6.94	2.38	*	mg/Kg	☼	34	44 - 136
4-Bromophenyl phenyl ether	0.34	U	3.47	2.50		mg/Kg	☼	72	67 - 113
4-Chloro-3-methylphenol	0.34	U	3.47	2.50		mg/Kg	☼	72	66 - 114
4-Chloroaniline	0.34	U	3.47	1.84		mg/Kg	☼	53	20 - 98
4-Chlorophenyl phenyl ether	0.34	U	3.47	2.42		mg/Kg	☼	70	66 - 110
4-Methylphenol	0.34	U	3.47	2.20		mg/Kg	☼	63	61 - 108
4-Nitroaniline	0.34	U	3.47	2.02		mg/Kg	☼	58	50 - 110
4-Nitrophenol	0.70	U	6.94	4.82		mg/Kg	☼	69	47 - 123
Acenaphthene	0.17	J	3.47	2.46		mg/Kg	☼	66	53 - 110
Acenaphthylene	0.97		3.47	3.31		mg/Kg	☼	68	64 - 108
Acetophenone	0.34	U	3.47	2.24		mg/Kg	☼	65	61 - 103
Anthracene	0.66		3.47	2.94	*	mg/Kg	☼	66	67 - 114
Atrazine	0.13	J	1.39	1.38		mg/Kg	☼	90	44 - 145
Benzaldehyde	0.34	U	1.39	1.12	E	mg/Kg	☼	81	43 - 150
Benzo[a]anthracene	3.1		3.47	5.60		mg/Kg	☼	72	67 - 115
Benzo[a]pyrene	3.4		3.47	6.32		mg/Kg	☼	85	73 - 123
Benzo[b]fluoranthene	4.2		3.47	7.26		mg/Kg	☼	87	70 - 125
Benzo[g,h,i]perylene	1.3		3.47	2.78	*	mg/Kg	☼	44	61 - 113
Benzo[k]fluoranthene	1.5		3.47	3.97		mg/Kg	☼	71	67 - 115
Bis(2-chloroethoxy)methane	0.34	U	3.47	2.30		mg/Kg	☼	66	62 - 107
Bis(2-chloroethyl)ether	0.034	U	3.47	2.31		mg/Kg	☼	67	60 - 107
Bis(2-ethylhexyl) phthalate	0.044	J	3.47	2.38		mg/Kg	☼	67	59 - 111
Butyl benzyl phthalate	0.037	J	3.47	3.30		mg/Kg	☼	94	62 - 113
Caprolactam	0.34	U	1.39	1.07		mg/Kg	☼	77	59 - 140
Carbazole	0.12	J	3.47	2.45		mg/Kg	☼	67	64 - 113
Chrysene	3.2		3.47	5.28	*	mg/Kg	☼	60	71 - 122
Dibenz(a,h)anthracene	0.41		3.47	2.38	*	mg/Kg	☼	57	66 - 119
Dibenzofuran	0.12	J	3.47	2.47		mg/Kg	☼	68	65 - 108
Diethyl phthalate	0.34	U	3.47	2.38		mg/Kg	☼	69	63 - 109
Dimethyl phthalate	0.34	U	3.47	2.41		mg/Kg	☼	69	65 - 109
Di-n-butyl phthalate	0.34	U	3.47	2.47		mg/Kg	☼	71	66 - 114
Di-n-octyl phthalate	0.34	U	3.47	2.66		mg/Kg	☼	77	65 - 122
Fluoranthene	5.7		3.47	7.77	*	mg/Kg	☼	60	61 - 106
Fluorene	0.44		3.47	2.60	*	mg/Kg	☼	62	65 - 109
Hexachlorobenzene	0.034	U	3.47	2.50		mg/Kg	☼	72	61 - 113
Hexachlorobutadiene	0.070	U	3.47	2.49		mg/Kg	☼	72	62 - 109
Hexachlorocyclopentadiene	0.34	U	3.47	0.615	*	mg/Kg	☼	18	42 - 118
Hexachloroethane	0.034	U	3.47	2.17		mg/Kg	☼	62	61 - 102
Indeno[1,2,3-cd]pyrene	1.8		3.47	3.89	*	mg/Kg	☼	61	62 - 121
Isophorone	0.14	U	3.47	2.37		mg/Kg	☼	68	63 - 107
Naphthalene	0.13	J	3.47	2.44		mg/Kg	☼	67	63 - 106
Nitrobenzene	0.034	U	3.47	2.41		mg/Kg	☼	70	63 - 110
N-Nitrosodi-n-propylamine	0.034	U	3.47	2.34		mg/Kg	☼	67	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234417-A-5-A MS
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.34	U	3.47	2.38		mg/Kg	☼	68	67 - 113
Pentachlorophenol	0.28	U	6.94	4.63		mg/Kg	☼	67	44 - 126
Phenanthrene	2.6		3.47	4.03	*	mg/Kg	☼	40	66 - 112
Phenol	0.34	U	3.47	2.36		mg/Kg	☼	68	63 - 110
Pyrene	5.4		3.47	7.30	*	mg/Kg	☼	54	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 123*
2-Fluorobiphenyl	*66*		*14 - 103*
2-Fluorophenol (Surr)	*65*		*10 - 105*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*
Phenol-d5 (Surr)	*66*		*15 - 100*
Terphenyl-d14 (Surr)	*73*		*12 - 126*

Lab Sample ID: 460-234417-A-5-B MSD
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.023	J	3.47	2.34		mg/Kg	☼	67	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	0.34	U	3.47	2.34		mg/Kg	☼	67	64 - 110	5	30
1,4-Dioxane	0.034	U	3.47	1.42		mg/Kg	☼	41	31 - 81	0	30
2,2'-oxybis[1-chloropropane]	0.34	U	3.47	2.10		mg/Kg	☼	61	49 - 109	2	30
2,3,4,6-Tetrachlorophenol	0.34	U	3.47	2.25		mg/Kg	☼	65	58 - 113	3	30
2,4,5-Trichlorophenol	0.34	U	3.47	2.36		mg/Kg	☼	68	64 - 112	3	30
2,4,6-Trichlorophenol	0.14	U	3.47	2.37		mg/Kg	☼	68	63 - 113	4	30
2,4-Dichlorophenol	0.14	U	3.47	2.51		mg/Kg	☼	72	66 - 113	0	30
2,4-Dimethylphenol	0.34	U	3.47	2.39		mg/Kg	☼	69	63 - 107	3	30
2,4-Dinitrophenol	0.28	U	6.94	1.46	*	mg/Kg	☼	21	25 - 150	0	30
2,4-Dinitrotoluene	0.070	U	3.47	2.51		mg/Kg	☼	72	65 - 124	1	30
2,6-Dinitrotoluene	0.070	U	3.47	2.42		mg/Kg	☼	70	67 - 121	3	30
2-Chloronaphthalene	0.34	U	3.47	2.30		mg/Kg	☼	66	65 - 109	3	30
2-Chlorophenol	0.34	U	3.47	2.32		mg/Kg	☼	67	63 - 106	3	30
2-Methylnaphthalene	0.17	J	3.47	2.52		mg/Kg	☼	68	64 - 108	3	30
2-Methylphenol	0.34	U	3.47	2.33		mg/Kg	☼	67	63 - 108	2	30
2-Nitroaniline	0.34	U	3.47	1.94	*	mg/Kg	☼	56	59 - 119	3	30
2-Nitrophenol	0.34	U	3.47	2.37		mg/Kg	☼	68	64 - 112	0	30
3,3'-Dichlorobenzidine	0.14	U	3.47	1.52		mg/Kg	☼	44	17 - 101	17	30
3-Nitroaniline	0.34	U	3.47	1.96		mg/Kg	☼	57	31 - 102	7	30
4,6-Dinitro-2-methylphenol	0.28	U	6.94	2.27	*	mg/Kg	☼	33	44 - 136	4	30
4-Bromophenyl phenyl ether	0.34	U	3.47	2.46		mg/Kg	☼	71	67 - 113	1	30
4-Chloro-3-methylphenol	0.34	U	3.47	2.44		mg/Kg	☼	70	66 - 114	2	30
4-Chloroaniline	0.34	U	3.47	1.77		mg/Kg	☼	51	20 - 98	4	30
4-Chlorophenyl phenyl ether	0.34	U	3.47	2.33		mg/Kg	☼	67	66 - 110	4	30
4-Methylphenol	0.34	U	3.47	2.17		mg/Kg	☼	63	61 - 108	2	30
4-Nitroaniline	0.34	U	3.47	1.92		mg/Kg	☼	55	50 - 110	5	30
4-Nitrophenol	0.70	U	6.94	4.60		mg/Kg	☼	66	47 - 123	5	30
Acenaphthene	0.17	J	3.47	2.46		mg/Kg	☼	66	53 - 110	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234417-A-5-B MSD
Matrix: Solid
Analysis Batch: 778204

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778174

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.97		3.47	3.42		mg/Kg	☼	71	64 - 108	3	30
Acetophenone	0.34	U	3.47	2.16		mg/Kg	☼	62	61 - 103	4	30
Anthracene	0.66		3.47	3.19		mg/Kg	☼	73	67 - 114	8	30
Atrazine	0.13	J	1.39	1.45		mg/Kg	☼	95	44 - 145	4	30
Benzaldehyde	0.34	U	1.39	1.11	E	mg/Kg	☼	80	43 - 150	1	30
Benzo[a]anthracene	3.1		3.47	6.10		mg/Kg	☼	86	67 - 115	9	30
Benzo[a]pyrene	3.4		3.47	7.15		mg/Kg	☼	109	73 - 123	12	30
Benzo[b]fluoranthene	4.2		3.47	8.44	E	mg/Kg	☼	121	70 - 125	15	30
Benzo[g,h,i]perylene	1.3		3.47	3.38		mg/Kg	☼	61	61 - 113	19	30
Benzo[k]fluoranthene	1.5		3.47	4.24		mg/Kg	☼	79	67 - 115	6	30
Bis(2-chloroethoxy)methane	0.34	U	3.47	2.26		mg/Kg	☼	65	62 - 107	2	30
Bis(2-chloroethyl)ether	0.034	U	3.47	2.31		mg/Kg	☼	67	60 - 107	0	30
Bis(2-ethylhexyl) phthalate	0.044	J	3.47	2.32		mg/Kg	☼	65	59 - 111	3	30
Butyl benzyl phthalate	0.037	J	3.47	2.32	*	mg/Kg	☼	66	62 - 113	35	30
Caprolactam	0.34	U	1.39	1.12		mg/Kg	☼	81	59 - 140	4	30
Carbazole	0.12	J	3.47	2.47		mg/Kg	☼	68	64 - 113	1	30
Chrysene	3.2		3.47	5.84		mg/Kg	☼	76	71 - 122	10	30
Dibenz(a,h)anthracene	0.41		3.47	2.60	*	mg/Kg	☼	63	66 - 119	9	30
Dibenzofuran	0.12	J	3.47	2.51		mg/Kg	☼	69	65 - 108	2	30
Diethyl phthalate	0.34	U	3.47	2.30		mg/Kg	☼	66	63 - 109	4	30
Dimethyl phthalate	0.34	U	3.47	2.32		mg/Kg	☼	67	65 - 109	4	30
Di-n-butyl phthalate	0.34	U	3.47	2.37		mg/Kg	☼	68	66 - 114	4	30
Di-n-octyl phthalate	0.34	U	3.47	2.69		mg/Kg	☼	77	65 - 122	1	30
Fluoranthene	5.7		3.47	9.23	E	mg/Kg	☼	102	61 - 106	17	30
Fluorene	0.44		3.47	2.93		mg/Kg	☼	72	65 - 109	12	30
Hexachlorobenzene	0.034	U	3.47	2.41		mg/Kg	☼	69	61 - 113	4	30
Hexachlorobutadiene	0.070	U	3.47	2.50		mg/Kg	☼	72	62 - 109	1	30
Hexachlorocyclopentadiene	0.34	U	3.47	0.443	*	mg/Kg	☼	13	42 - 118	33	30
Hexachloroethane	0.034	U	3.47	2.10		mg/Kg	☼	61	61 - 102	3	30
Indeno[1,2,3-cd]pyrene	1.8		3.47	3.94		mg/Kg	☼	62	62 - 121	1	30
Isophorone	0.14	U	3.47	2.34		mg/Kg	☼	68	63 - 107	1	30
Naphthalene	0.13	J	3.47	2.45		mg/Kg	☼	67	63 - 106	0	30
Nitrobenzene	0.034	U	3.47	2.39		mg/Kg	☼	69	63 - 110	1	30
N-Nitrosodi-n-propylamine	0.034	U	3.47	2.30		mg/Kg	☼	66	61 - 108	2	30
N-Nitrosodiphenylamine	0.34	U	3.47	2.34		mg/Kg	☼	67	67 - 113	2	30
Pentachlorophenol	0.28	U	6.94	4.66		mg/Kg	☼	67	44 - 126	1	30
Phenanthrene	2.6		3.47	5.24		mg/Kg	☼	75	66 - 112	26	30
Phenol	0.34	U	3.47	2.33		mg/Kg	☼	67	63 - 110	1	30
Pyrene	5.4		3.47	8.65	E	mg/Kg	☼	93	61 - 111	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 123*
2-Fluorobiphenyl	*65*		*14 - 103*
2-Fluorophenol (Surr)	*65*		*10 - 105*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*
Phenol-d5 (Surr)	*64*		*15 - 100*
Terphenyl-d14 (Surr)	*72*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778271/1-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/16/21 11:35	05/16/21 18:20	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778271/1-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/16/21 11:35	05/16/21 18:20	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/16/21 11:35	05/16/21 18:20	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.50*	*A J*	*mg/Kg*		*2.85*		*05/16/21 11:35*	*05/16/21 18:20*	*1*
n-Decane	*0.0727*	*J*	*mg/Kg*		*4.24*	*124-18-5*	*05/16/21 11:35*	*05/16/21 18:20*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*	*05/16/21 11:35*	*05/16/21 18:20*	*1*
2-Fluorobiphenyl	*90*		*14 - 103*	*05/16/21 11:35*	*05/16/21 18:20*	*1*
2-Fluorophenol (Surr)	*92*		*10 - 105*	*05/16/21 11:35*	*05/16/21 18:20*	*1*
Nitrobenzene-d5 (Surr)	*91*		*11 - 104*	*05/16/21 11:35*	*05/16/21 18:20*	*1*
Phenol-d5 (Surr)	*92*		*15 - 100*	*05/16/21 11:35*	*05/16/21 18:20*	*1*
Terphenyl-d14 (Surr)	*106*		*12 - 126*	*05/16/21 11:35*	*05/16/21 18:20*	*1*

Lab Sample ID: LCS 460-778271/2-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.88		mg/Kg		86	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.00		mg/Kg		90	64 - 110
1,4-Dioxane	3.33	2.01		mg/Kg		60	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.16		mg/Kg		95	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.56		mg/Kg		77	58 - 113
2,4,5-Trichlorophenol	3.33	2.78		mg/Kg		83	64 - 112
2,4,6-Trichlorophenol	3.33	2.83		mg/Kg		85	63 - 113
2,4-Dichlorophenol	3.33	2.92		mg/Kg		88	66 - 113
2,4-Dimethylphenol	3.33	2.85		mg/Kg		85	63 - 107
2,4-Dinitrophenol	6.67	4.61		mg/Kg		69	25 - 150

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778271/2-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3.33	2.93		mg/Kg		88	65 - 124
2,6-Dinitrotoluene	3.33	2.94		mg/Kg		88	67 - 121
2-Chloronaphthalene	3.33	2.78		mg/Kg		83	65 - 109
2-Chlorophenol	3.33	2.90		mg/Kg		87	63 - 106
2-Methylnaphthalene	3.33	2.84		mg/Kg		85	64 - 108
2-Methylphenol	3.33	3.01		mg/Kg		90	63 - 108
2-Nitroaniline	3.33	3.05		mg/Kg		92	59 - 119
2-Nitrophenol	3.33	2.95		mg/Kg		89	64 - 112
3,3'-Dichlorobenzidine	3.33	1.98		mg/Kg		59	17 - 101
3-Nitroaniline	3.33	2.46		mg/Kg		74	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.52		mg/Kg		83	44 - 136
4-Bromophenyl phenyl ether	3.33	3.05		mg/Kg		92	67 - 113
4-Chloro-3-methylphenol	3.33	2.91		mg/Kg		87	66 - 114
4-Chloroaniline	3.33	2.04		mg/Kg		61	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.91		mg/Kg		87	66 - 110
4-Methylphenol	3.33	3.00		mg/Kg		90	61 - 108
4-Nitroaniline	3.33	2.60		mg/Kg		78	50 - 110
4-Nitrophenol	6.67	5.00		mg/Kg		75	47 - 123
Acenaphthene	3.33	2.38		mg/Kg		72	53 - 110
Acenaphthylene	3.33	2.81		mg/Kg		84	64 - 108
Acetophenone	3.33	2.89		mg/Kg		87	61 - 103
Anthracene	3.33	2.86		mg/Kg		86	67 - 114
Atrazine	1.33	1.61		mg/Kg		121	44 - 145
Benzaldehyde	1.33	1.64		mg/Kg		123	43 - 150
Benzo[a]anthracene	3.33	2.80		mg/Kg		84	67 - 115
Benzo[a]pyrene	3.33	3.37		mg/Kg		101	73 - 123
Benzo[b]fluoranthene	3.33	3.31		mg/Kg		99	70 - 125
Benzo[g,h,i]perylene	3.33	3.04		mg/Kg		91	61 - 113
Benzo[k]fluoranthene	3.33	3.20		mg/Kg		96	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.94		mg/Kg		88	62 - 107
Bis(2-chloroethyl)ether	3.33	3.01		mg/Kg		90	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.82		mg/Kg		85	59 - 111
Butyl benzyl phthalate	3.33	2.88		mg/Kg		86	62 - 113
Caprolactam	1.33	1.45		mg/Kg		109	59 - 140
Carbazole	3.33	2.73		mg/Kg		82	64 - 113
Chrysene	3.33	2.77		mg/Kg		83	71 - 122
Dibenz(a,h)anthracene	3.33	3.20		mg/Kg		96	66 - 119
Dibenzofuran	3.33	2.93		mg/Kg		88	65 - 108
Diethyl phthalate	3.33	2.80		mg/Kg		84	63 - 109
Dimethyl phthalate	3.33	2.79		mg/Kg		84	65 - 109
Di-n-butyl phthalate	3.33	2.80		mg/Kg		84	66 - 114
Di-n-octyl phthalate	3.33	3.18		mg/Kg		96	65 - 122
Fluoranthene	3.33	2.77		mg/Kg		83	61 - 106
Fluorene	3.33	2.83		mg/Kg		85	65 - 109
Hexachlorobenzene	3.33	3.11		mg/Kg		93	61 - 113
Hexachlorobutadiene	3.33	3.12		mg/Kg		94	62 - 109
Hexachlorocyclopentadiene	3.33	2.83		mg/Kg		85	42 - 118
Hexachloroethane	3.33	2.92		mg/Kg		88	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.26		mg/Kg		98	62 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778271/2-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isophorone			3.33	3.06		mg/Kg		92	63 - 107		
Naphthalene			3.33	2.91		mg/Kg		87	63 - 106		
Nitrobenzene			3.33	3.11		mg/Kg		93	63 - 110		
N-Nitrosodi-n-propylamine			3.33	3.13		mg/Kg		94	61 - 108		
N-Nitrosodiphenylamine			3.33	2.86		mg/Kg		86	67 - 113		
Pentachlorophenol			6.67	4.12		mg/Kg		62	44 - 126		
Phenanthrene			3.33	2.85		mg/Kg		86	66 - 112		
Phenol			3.33	3.00		mg/Kg		90	63 - 110		
Pyrene			3.33	2.81		mg/Kg		84	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*89*		*10 - 105*
Nitrobenzene-d5 (Surr)	*90*		*11 - 104*
Phenol-d5 (Surr)	*90*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Lab Sample ID: LCSD 460-778271/3-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.88		mg/Kg		87	65 - 110	0	30
1,2,4,5-Tetrachlorobenzene			3.33	3.05		mg/Kg		91	64 - 110	2	30
1,4-Dioxane			3.33	1.83		mg/Kg		55	31 - 81	9	30
2,2'-oxybis[1-chloropropane]			3.33	3.05		mg/Kg		91	49 - 109	4	30
2,3,4,6-Tetrachlorophenol			3.33	2.67		mg/Kg		80	58 - 113	4	30
2,4,5-Trichlorophenol			3.33	2.92		mg/Kg		88	64 - 112	5	30
2,4,6-Trichlorophenol			3.33	2.96		mg/Kg		89	63 - 113	5	30
2,4-Dichlorophenol			3.33	2.97		mg/Kg		89	66 - 113	2	30
2,4-Dimethylphenol			3.33	2.87		mg/Kg		86	63 - 107	1	30
2,4-Dinitrophenol			6.67	5.31		mg/Kg		80	25 - 150	14	30
2,4-Dinitrotoluene			3.33	3.08		mg/Kg		92	65 - 124	5	30
2,6-Dinitrotoluene			3.33	3.06		mg/Kg		92	67 - 121	4	30
2-Chloronaphthalene			3.33	2.88		mg/Kg		86	65 - 109	4	30
2-Chlorophenol			3.33	2.86		mg/Kg		86	63 - 106	1	30
2-Methylnaphthalene			3.33	2.83		mg/Kg		85	64 - 108	1	30
2-Methylphenol			3.33	2.95		mg/Kg		88	63 - 108	2	30
2-Nitroaniline			3.33	3.17		mg/Kg		95	59 - 119	4	30
2-Nitrophenol			3.33	2.93		mg/Kg		88	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	2.09		mg/Kg		63	17 - 101	6	30
3-Nitroaniline			3.33	2.56		mg/Kg		77	31 - 102	4	30
4,6-Dinitro-2-methylphenol			6.67	5.89		mg/Kg		88	44 - 136	6	30
4-Bromophenyl phenyl ether			3.33	3.14		mg/Kg		94	67 - 113	3	30
4-Chloro-3-methylphenol			3.33	3.00		mg/Kg		90	66 - 114	3	30
4-Chloroaniline			3.33	2.07		mg/Kg		62	20 - 98	1	30
4-Chlorophenyl phenyl ether			3.33	3.04		mg/Kg		91	66 - 110	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778271/3-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol			3.33	2.98		mg/Kg		89	61 - 108	0	30
4-Nitroaniline			3.33	2.63		mg/Kg		79	50 - 110	1	30
4-Nitrophenol			6.67	5.33		mg/Kg		80	47 - 123	6	30
Acenaphthene			3.33	2.47		mg/Kg		74	53 - 110	4	30
Acenaphthylene			3.33	2.87		mg/Kg		86	64 - 108	2	30
Acetophenone			3.33	2.81		mg/Kg		84	61 - 103	3	30
Anthracene			3.33	2.95		mg/Kg		88	67 - 114	3	30
Atrazine			1.33	1.63		mg/Kg		122	44 - 145	1	30
Benzaldehyde			1.33	1.50		mg/Kg		113	43 - 150	9	30
Benzo[a]anthracene			3.33	2.89		mg/Kg		87	67 - 115	3	30
Benzo[a]pyrene			3.33	3.44		mg/Kg		103	73 - 123	2	30
Benzo[b]fluoranthene			3.33	3.42		mg/Kg		103	70 - 125	3	30
Benzo[g,h,i]perylene			3.33	3.26		mg/Kg		98	61 - 113	7	30
Benzo[k]fluoranthene			3.33	3.30		mg/Kg		99	67 - 115	3	30
Bis(2-chloroethoxy)methane			3.33	2.92		mg/Kg		88	62 - 107	1	30
Bis(2-chloroethyl)ether			3.33	2.94		mg/Kg		88	60 - 107	2	30
Bis(2-ethylhexyl) phthalate			3.33	2.92		mg/Kg		88	59 - 111	3	30
Butyl benzyl phthalate			3.33	2.96		mg/Kg		89	62 - 113	3	30
Caprolactam			1.33	1.43		mg/Kg		107	59 - 140	2	30
Carbazole			3.33	2.80		mg/Kg		84	64 - 113	3	30
Chrysene			3.33	2.87		mg/Kg		86	71 - 122	3	30
Dibenz(a,h)anthracene			3.33	3.39		mg/Kg		102	66 - 119	6	30
Dibenzofuran			3.33	2.94		mg/Kg		88	65 - 108	0	30
Diethyl phthalate			3.33	2.92		mg/Kg		88	63 - 109	4	30
Dimethyl phthalate			3.33	2.85		mg/Kg		86	65 - 109	2	30
Di-n-butyl phthalate			3.33	2.93		mg/Kg		88	66 - 114	4	30
Di-n-octyl phthalate			3.33	3.32		mg/Kg		100	65 - 122	4	30
Fluoranthene			3.33	2.87		mg/Kg		86	61 - 106	4	30
Fluorene			3.33	2.91		mg/Kg		87	65 - 109	3	30
Hexachlorobenzene			3.33	3.16		mg/Kg		95	61 - 113	2	30
Hexachlorobutadiene			3.33	3.05		mg/Kg		92	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.83		mg/Kg		85	42 - 118	0	30
Hexachloroethane			3.33	2.81		mg/Kg		84	61 - 102	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.49		mg/Kg		105	62 - 121	7	30
Isophorone			3.33	3.02		mg/Kg		91	63 - 107	2	30
Naphthalene			3.33	2.86		mg/Kg		86	63 - 106	2	30
Nitrobenzene			3.33	3.03		mg/Kg		91	63 - 110	2	30
N-Nitrosodi-n-propylamine			3.33	3.06		mg/Kg		92	61 - 108	2	30
N-Nitrosodiphenylamine			3.33	2.97		mg/Kg		89	67 - 113	4	30
Pentachlorophenol			6.67	4.21		mg/Kg		63	44 - 126	2	30
Phenanthrene			3.33	2.89		mg/Kg		87	66 - 112	2	30
Phenol			3.33	2.95		mg/Kg		88	63 - 110	2	30
Pyrene			3.33	3.00		mg/Kg		90	61 - 111	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*87*		*14 - 103*
2-Fluorophenol (Surr)	*86*		*10 - 105*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778271/3-A
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778271

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*87*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*103*		*12 - 126*

Lab Sample ID: 460-234354-E-2-A MS
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.39	U	3.92	2.11	*	mg/Kg	☼	54	65 - 110
1,2,4,5-Tetrachlorobenzene	0.39	U	3.92	2.09	*	mg/Kg	☼	53	64 - 110
1,4-Dioxane	0.039	U	3.92	1.49		mg/Kg	☼	38	31 - 81
2,2'-oxybis[1-chloropropane]	0.39	U	3.92	2.07		mg/Kg	☼	53	49 - 109
2,3,4,6-Tetrachlorophenol	0.39	U	3.92	1.94	*	mg/Kg	☼	50	58 - 113
2,4,5-Trichlorophenol	0.39	U	3.92	2.13	*	mg/Kg	☼	54	64 - 112
2,4,6-Trichlorophenol	0.16	U	3.92	2.14	*	mg/Kg	☼	55	63 - 113
2,4-Dichlorophenol	0.16	U	3.92	2.20	*	mg/Kg	☼	56	66 - 113
2,4-Dimethylphenol	0.39	U	3.92	2.12	*	mg/Kg	☼	54	63 - 107
2,4-Dinitrophenol	0.31	U	7.84	2.40		mg/Kg	☼	31	25 - 150
2,4-Dinitrotoluene	0.079	U	3.92	2.26	*	mg/Kg	☼	58	65 - 124
2,6-Dinitrotoluene	0.079	U	3.92	2.33	*	mg/Kg	☼	60	67 - 121
2-Chloronaphthalene	0.39	U	3.92	2.06	*	mg/Kg	☼	53	65 - 109
2-Chlorophenol	0.39	U	3.92	2.11	*	mg/Kg	☼	54	63 - 106
2-Methylnaphthalene	0.39	U	3.92	2.02	*	mg/Kg	☼	52	64 - 108
2-Methylphenol	0.39	U	3.92	2.23	*	mg/Kg	☼	57	63 - 108
2-Nitroaniline	0.39	U	3.92	2.32		mg/Kg	☼	59	59 - 119
2-Nitrophenol	0.39	U	3.92	2.07	*	mg/Kg	☼	53	64 - 112
3,3'-Dichlorobenzidine	0.16	U	3.92	1.92		mg/Kg	☼	49	17 - 101
3-Nitroaniline	0.39	U	3.92	2.07		mg/Kg	☼	53	31 - 102
4,6-Dinitro-2-methylphenol	0.31	U	7.84	3.66		mg/Kg	☼	47	44 - 136
4-Bromophenyl phenyl ether	0.39	U	3.92	2.22	*	mg/Kg	☼	57	67 - 113
4-Chloro-3-methylphenol	0.39	U	3.92	2.19	*	mg/Kg	☼	56	66 - 114
4-Chloroaniline	0.39	U	3.92	2.01		mg/Kg	☼	51	20 - 98
4-Chlorophenyl phenyl ether	0.39	U	3.92	2.18	*	mg/Kg	☼	56	66 - 110
4-Methylphenol	0.39	U	3.92	2.22	*	mg/Kg	☼	57	61 - 108
4-Nitroaniline	0.39	U	3.92	2.07		mg/Kg	☼	53	50 - 110
4-Nitrophenol	0.79	U	7.84	4.07		mg/Kg	☼	52	47 - 123
Acenaphthene	0.39	U	3.92	1.77	*	mg/Kg	☼	45	53 - 110
Acenaphthylene	0.39	U	3.92	2.13	*	mg/Kg	☼	54	64 - 108
Acetophenone	0.39	U	3.92	2.03	*	mg/Kg	☼	52	61 - 103
Anthracene	0.39	U	3.92	2.14	*	mg/Kg	☼	55	67 - 114
Atrazine	0.16	U	1.57	1.12		mg/Kg	☼	72	44 - 145
Benzaldehyde	0.39	U	1.57	1.05		mg/Kg	☼	67	43 - 150
Benzo[a]anthracene	0.039	U	3.92	2.04	*	mg/Kg	☼	52	67 - 115
Benzo[a]pyrene	0.039	U	3.92	2.43	*	mg/Kg	☼	62	73 - 123
Benzo[b]fluoranthene	0.039	U	3.92	2.32	*	mg/Kg	☼	59	70 - 125
Benzo[g,h,i]perylene	0.39	U	3.92	2.22	*	mg/Kg	☼	57	61 - 113
Benzo[k]fluoranthene	0.039	U	3.92	2.45	*	mg/Kg	☼	62	67 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234354-E-2-A MS
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	0.39	U	3.92	2.09	*	mg/Kg	☼	53	62 - 107
Bis(2-chloroethyl)ether	0.039	U	3.92	2.01	*	mg/Kg	☼	51	60 - 107
Bis(2-ethylhexyl) phthalate	0.39	U	3.92	2.07	*	mg/Kg	☼	53	59 - 111
Butyl benzyl phthalate	0.39	U	3.92	2.13	*	mg/Kg	☼	54	62 - 113
Caprolactam	0.39	U	1.57	1.06		mg/Kg	☼	68	59 - 140
Carbazole	0.39	U	3.92	2.07	*	mg/Kg	☼	53	64 - 113
Chrysene	0.39	U	3.92	2.09	*	mg/Kg	☼	53	71 - 122
Dibenz(a,h)anthracene	0.039	U	3.92	2.31	*	mg/Kg	☼	59	66 - 119
Dibenzofuran	0.39	U	3.92	2.16	*	mg/Kg	☼	55	65 - 108
Diethyl phthalate	0.39	U	3.92	2.09	*	mg/Kg	☼	53	63 - 109
Dimethyl phthalate	0.39	U	3.92	2.15	*	mg/Kg	☼	55	65 - 109
Di-n-butyl phthalate	0.39	U	3.92	2.08	*	mg/Kg	☼	53	66 - 114
Di-n-octyl phthalate	0.39	U	3.92	2.30	*	mg/Kg	☼	59	65 - 122
Fluoranthene	0.39	U	3.92	2.08	*	mg/Kg	☼	53	61 - 106
Fluorene	0.39	U	3.92	2.14	*	mg/Kg	☼	55	65 - 109
Hexachlorobenzene	0.039	U	3.92	2.24	*	mg/Kg	☼	57	61 - 113
Hexachlorobutadiene	0.079	U	3.92	1.99	*	mg/Kg	☼	51	62 - 109
Hexachlorocyclopentadiene	0.39	U	3.92	1.88		mg/Kg	☼	48	42 - 118
Hexachloroethane	0.039	U	3.92	1.80	*	mg/Kg	☼	46	61 - 102
Indeno[1,2,3-cd]pyrene	0.039	U	3.92	2.31	*	mg/Kg	☼	59	62 - 121
Isophorone	0.16	U	3.92	2.23	*	mg/Kg	☼	57	63 - 107
Naphthalene	0.39	U	3.92	2.01	*	mg/Kg	☼	51	63 - 106
Nitrobenzene	0.039	U	3.92	2.20	*	mg/Kg	☼	56	63 - 110
N-Nitrosodi-n-propylamine	0.039	U	3.92	2.22	*	mg/Kg	☼	57	61 - 108
N-Nitrosodiphenylamine	0.39	U	3.92	2.15	*	mg/Kg	☼	55	67 - 113
Pentachlorophenol	0.31	U	7.84	2.97	*	mg/Kg	☼	38	44 - 126
Phenanthrene	0.39	U	3.92	2.10	*	mg/Kg	☼	53	66 - 112
Phenol	0.39	U	3.92	2.25	*	mg/Kg	☼	57	63 - 110
Pyrene	0.39	U	3.92	2.15	*	mg/Kg	☼	55	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 123*
2-Fluorobiphenyl	*54*		*14 - 103*
2-Fluorophenol (Surr)	*57*		*10 - 105*
Nitrobenzene-d5 (Surr)	*53*		*11 - 104*
Phenol-d5 (Surr)	*57*		*15 - 100*
Terphenyl-d14 (Surr)	*61*		*12 - 126*

Lab Sample ID: 460-234354-E-2-B MSD
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.39	U	3.92	2.10	*	mg/Kg	☼	54	65 - 110	0	30
1,2,4,5-Tetrachlorobenzene	0.39	U	3.92	1.92	*	mg/Kg	☼	49	64 - 110	9	30
1,4-Dioxane	0.039	U	3.92	1.00	*	mg/Kg	☼	26	31 - 81	39	30
2,2'-oxybis[1-chloropropane]	0.39	U	3.92	1.60	*	mg/Kg	☼	41	49 - 109	26	30
2,3,4,6-Tetrachlorophenol	0.39	U	3.92	2.10	*	mg/Kg	☼	54	58 - 113	8	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234354-E-2-B MSD
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.39	U	3.92	2.22	*	mg/Kg	☼	57	64 - 112	4	30
2,4,6-Trichlorophenol	0.16	U	3.92	2.23	*	mg/Kg	☼	57	63 - 113	4	30
2,4-Dichlorophenol	0.16	U	3.92	2.09	*	mg/Kg	☼	53	66 - 113	5	30
2,4-Dimethylphenol	0.39	U	3.92	2.06	*	mg/Kg	☼	53	63 - 107	3	30
2,4-Dinitrophenol	0.31	U	7.84	2.93		mg/Kg	☼	37	25 - 150	20	30
2,4-Dinitrotoluene	0.079	U	3.92	2.57		mg/Kg	☼	66	65 - 124	13	30
2,6-Dinitrotoluene	0.079	U	3.92	2.47	*	mg/Kg	☼	63	67 - 121	6	30
2-Chloronaphthalene	0.39	U	3.92	2.02	*	mg/Kg	☼	51	65 - 109	2	30
2-Chlorophenol	0.39	U	3.92	1.72	*	mg/Kg	☼	44	63 - 106	20	30
2-Methylnaphthalene	0.39	U	3.92	1.86	*	mg/Kg	☼	47	64 - 108	8	30
2-Methylphenol	0.39	U	3.92	1.99	*	mg/Kg	☼	51	63 - 108	11	30
2-Nitroaniline	0.39	U	3.92	2.44		mg/Kg	☼	62	59 - 119	5	30
2-Nitrophenol	0.39	U	3.92	1.77	*	mg/Kg	☼	45	64 - 112	16	30
3,3'-Dichlorobenzidine	0.16	U	3.92	2.19		mg/Kg	☼	56	17 - 101	13	30
3-Nitroaniline	0.39	U	3.92	2.29		mg/Kg	☼	58	31 - 102	10	30
4,6-Dinitro-2-methylphenol	0.31	U	7.84	4.41		mg/Kg	☼	56	44 - 136	19	30
4-Bromophenyl phenyl ether	0.39	U	3.92	2.44	*	mg/Kg	☼	62	67 - 113	9	30
4-Chloro-3-methylphenol	0.39	U	3.92	2.34	*	mg/Kg	☼	60	66 - 114	7	30
4-Chloroaniline	0.39	U	3.92	1.89		mg/Kg	☼	48	20 - 98	7	30
4-Chlorophenyl phenyl ether	0.39	U	3.92	2.34	*	mg/Kg	☼	60	66 - 110	7	30
4-Methylphenol	0.39	U	3.92	2.04	*	mg/Kg	☼	52	61 - 108	9	30
4-Nitroaniline	0.39	U	3.92	2.24		mg/Kg	☼	57	50 - 110	8	30
4-Nitrophenol	0.79	U	7.84	4.25		mg/Kg	☼	54	47 - 123	4	30
Acenaphthene	0.39	U	3.92	1.85	*	mg/Kg	☼	47	53 - 110	4	30
Acenaphthylene	0.39	U	3.92	2.16	*	mg/Kg	☼	55	64 - 108	1	30
Acetophenone	0.39	U	3.92	1.68	*	mg/Kg	☼	43	61 - 103	19	30
Anthracene	0.39	U	3.92	2.32	*	mg/Kg	☼	59	67 - 114	8	30
Atrazine	0.16	U	1.57	1.27		mg/Kg	☼	81	44 - 145	13	30
Benzaldehyde	0.39	U	1.57	0.787		mg/Kg	☼	50	43 - 150	29	30
Benzo[a]anthracene	0.039	U	3.92	2.27	*	mg/Kg	☼	58	67 - 115	11	30
Benzo[a]pyrene	0.039	U	3.92	2.75	*	mg/Kg	☼	70	73 - 123	12	30
Benzo[b]fluoranthene	0.039	U	3.92	2.65	*	mg/Kg	☼	68	70 - 125	13	30
Benzo[g,h,i]perylene	0.39	U	3.92	2.57		mg/Kg	☼	66	61 - 113	15	30
Benzo[k]fluoranthene	0.039	U	3.92	2.73		mg/Kg	☼	70	67 - 115	11	30
Bis(2-chloroethoxy)methane	0.39	U	3.92	1.86	*	mg/Kg	☼	48	62 - 107	11	30
Bis(2-chloroethyl)ether	0.039	U	3.92	1.60	*	mg/Kg	☼	41	60 - 107	23	30
Bis(2-ethylhexyl) phthalate	0.39	U	3.92	2.28	*	mg/Kg	☼	58	59 - 111	9	30
Butyl benzyl phthalate	0.39	U	3.92	2.25	*	mg/Kg	☼	57	62 - 113	6	30
Caprolactam	0.39	U	1.57	1.11		mg/Kg	☼	71	59 - 140	4	30
Carbazole	0.39	U	3.92	2.32	*	mg/Kg	☼	59	64 - 113	11	30
Chrysene	0.39	U	3.92	2.31	*	mg/Kg	☼	59	71 - 122	10	30
Dibenz(a,h)anthracene	0.039	U	3.92	2.73		mg/Kg	☼	70	66 - 119	17	30
Dibenzofuran	0.39	U	3.92	2.26	*	mg/Kg	☼	58	65 - 108	5	30
Diethyl phthalate	0.39	U	3.92	2.32	*	mg/Kg	☼	59	63 - 109	11	30
Dimethyl phthalate	0.39	U	3.92	2.34	*	mg/Kg	☼	60	65 - 109	9	30
Di-n-butyl phthalate	0.39	U	3.92	2.35	*	mg/Kg	☼	60	66 - 114	12	30
Di-n-octyl phthalate	0.39	U	3.92	2.57		mg/Kg	☼	66	65 - 122	11	30
Fluoranthene	0.39	U	3.92	2.30	*	mg/Kg	☼	59	61 - 106	10	30
Fluorene	0.39	U	3.92	2.28	*	mg/Kg	☼	58	65 - 109	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234354-E-2-B MSD
Matrix: Solid
Analysis Batch: 778330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	0.039	U	3.92	2.50		mg/Kg	☼	64	61 - 113	11	30
Hexachlorobutadiene	0.079	U	3.92	1.53	*	mg/Kg	☼	39	62 - 109	26	30
Hexachlorocyclopentadiene	0.39	U	3.92	1.48	*	mg/Kg	☼	38	42 - 118	24	30
Hexachloroethane	0.039	U	3.92	1.40	*	mg/Kg	☼	36	61 - 102	25	30
Indeno[1,2,3-cd]pyrene	0.039	U	3.92	2.74		mg/Kg	☼	70	62 - 121	17	30
Isophorone	0.16	U	3.92	2.05	*	mg/Kg	☼	52	63 - 107	8	30
Naphthalene	0.39	U	3.92	1.64	*	mg/Kg	☼	42	63 - 106	20	30
Nitrobenzene	0.039	U	3.92	1.75	*	mg/Kg	☼	45	63 - 110	23	30
N-Nitrosodi-n-propylamine	0.039	U	3.92	1.93	*	mg/Kg	☼	49	61 - 108	14	30
N-Nitrosodiphenylamine	0.39	U	3.92	2.33	*	mg/Kg	☼	60	67 - 113	8	30
Pentachlorophenol	0.31	U	7.84	3.33	*	mg/Kg	☼	42	44 - 126	12	30
Phenanthrene	0.39	U	3.92	2.34	*	mg/Kg	☼	60	66 - 112	11	30
Phenol	0.39	U	3.92	1.94	*	mg/Kg	☼	49	63 - 110	15	30
Pyrene	0.39	U	3.92	2.31	*	mg/Kg	☼	59	61 - 111	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 123*
2-Fluorobiphenyl	*52*		*14 - 103*
2-Fluorophenol (Surr)	*43*		*10 - 105*
Nitrobenzene-d5 (Surr)	*43*		*11 - 104*
Phenol-d5 (Surr)	*50*		*15 - 100*
Terphenyl-d14 (Surr)	*67*		*12 - 126*

Lab Sample ID: MB 460-778419/1-A
Matrix: Solid
Analysis Batch: 778499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/17/21 10:20	05/17/21 19:34	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/17/21 10:20	05/17/21 19:34	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/17/21 10:20	05/17/21 19:34	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/17/21 10:20	05/17/21 19:34	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/17/21 10:20	05/17/21 19:34	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/17/21 10:20	05/17/21 19:34	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/17/21 10:20	05/17/21 19:34	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/17/21 10:20	05/17/21 19:34	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/17/21 10:20	05/17/21 19:34	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/17/21 10:20	05/17/21 19:34	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/17/21 10:20	05/17/21 19:34	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/17/21 10:20	05/17/21 19:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*33 - 150*	*05/17/21 10:20*	*05/17/21 19:34*	*1*
2-Fluorobiphenyl	*98*		*42 - 127*	*05/17/21 10:20*	*05/17/21 19:34*	*1*
2-Fluorophenol (Surr)	*54*		*18 - 72*	*05/17/21 10:20*	*05/17/21 19:34*	*1*
Nitrobenzene-d5 (Surr)	*110*		*46 - 137*	*05/17/21 10:20*	*05/17/21 19:34*	*1*
Phenol-d5 (Surr)	*36*		*10 - 50*	*05/17/21 10:20*	*05/17/21 19:34*	*1*
Terphenyl-d14 (Surr)	*113*		*39 - 150*	*05/17/21 10:20*	*05/17/21 19:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 460-778419/2-A
Matrix: Solid
Analysis Batch: 778499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778419

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0800	0.0743		mg/L		93	40 - 102		
2,4,5-Trichlorophenol			0.0800	0.0713		mg/L		89	63 - 112		
2,4,6-Trichlorophenol			0.0800	0.0730		mg/L		91	66 - 117		
3 & 4 Methylphenol			0.0800	0.0516		mg/L		65	43 - 78		
2,4-Dinitrotoluene			0.0800	0.0736		mg/L		92	68 - 134		
Pyridine			0.160	0.0405		mg/L		25	13 - 71		
2-Methylphenol			0.0800	0.0593		mg/L		74	48 - 88		
Hexachlorobenzene			0.0800	0.0682		mg/L		85	61 - 117		
Hexachlorobutadiene			0.0800	0.0669		mg/L		84	10 - 133		
Hexachloroethane			0.0800	0.0791		mg/L		99	17 - 115		
Nitrobenzene			0.0800	0.0796		mg/L		100	71 - 116		
Pentachlorophenol			0.160	0.124		mg/L		78	54 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 150*
2-Fluorobiphenyl	*111*		*42 - 127*
2-Fluorophenol (Surr)	*67*		*18 - 72*
Nitrobenzene-d5 (Surr)	*124*		*46 - 137*
Phenol-d5 (Surr)	*42*		*10 - 50*
Terphenyl-d14 (Surr)	*113*		*39 - 150*

Lab Sample ID: LCSD 460-778419/3-A
Matrix: Solid
Analysis Batch: 778499

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778419

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0735		mg/L		92	40 - 102	1	30
2,4,5-Trichlorophenol			0.0800	0.0721		mg/L		90	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0733		mg/L		92	66 - 117	0	30
3 & 4 Methylphenol			0.0800	0.0524		mg/L		66	43 - 78	2	30
2,4-Dinitrotoluene			0.0800	0.0736		mg/L		92	68 - 134	0	30
Pyridine			0.160	0.0400		mg/L		25	13 - 71	1	30
2-Methylphenol			0.0800	0.0593		mg/L		74	48 - 88	0	30
Hexachlorobenzene			0.0800	0.0690		mg/L		86	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0678		mg/L		85	10 - 133	1	30
Hexachloroethane			0.0800	0.0800		mg/L		100	17 - 115	1	30
Nitrobenzene			0.0800	0.0819		mg/L		102	71 - 116	3	30
Pentachlorophenol			0.160	0.126		mg/L		79	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*33 - 150*
2-Fluorobiphenyl	*110*		*42 - 127*
2-Fluorophenol (Surr)	*67*		*18 - 72*
Nitrobenzene-d5 (Surr)	*125*		*46 - 137*
Phenol-d5 (Surr)	*43*		*10 - 50*
Terphenyl-d14 (Surr)	*116*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-777574/1-B
Matrix: Solid
Analysis Batch: 777847

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777710

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/13/21 10:18	05/14/21 04:00	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/13/21 10:18	05/14/21 04:00	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/13/21 10:18	05/14/21 04:00	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/13/21 10:18	05/14/21 04:00	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/13/21 10:18	05/14/21 04:00	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/13/21 10:18	05/14/21 04:00	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/13/21 10:18	05/14/21 04:00	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/13/21 10:18	05/14/21 04:00	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/13/21 10:18	05/14/21 04:00	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/13/21 10:18	05/14/21 04:00	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/13/21 10:18	05/14/21 04:00	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/13/21 10:18	05/14/21 04:00	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 150*	*05/13/21 10:18*	*05/14/21 04:00*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*05/13/21 10:18*	*05/14/21 04:00*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*05/13/21 10:18*	*05/14/21 04:00*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*05/13/21 10:18*	*05/14/21 04:00*	*1*
Phenol-d5 (Surr)	*32*		*10 - 50*	*05/13/21 10:18*	*05/14/21 04:00*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 150*	*05/13/21 10:18*	*05/14/21 04:00*	*1*

Lab Sample ID: LB 460-777826/1-B
Matrix: Solid
Analysis Batch: 778063

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777833

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/14/21 09:46	05/14/21 21:32	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/14/21 09:46	05/14/21 21:32	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/14/21 09:46	05/14/21 21:32	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/14/21 09:46	05/14/21 21:32	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/14/21 09:46	05/14/21 21:32	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/14/21 09:46	05/14/21 21:32	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/14/21 09:46	05/14/21 21:32	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/14/21 09:46	05/14/21 21:32	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/14/21 09:46	05/14/21 21:32	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/14/21 09:46	05/14/21 21:32	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/14/21 09:46	05/14/21 21:32	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/14/21 09:46	05/14/21 21:32	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*	*05/14/21 09:46*	*05/14/21 21:32*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*05/14/21 09:46*	*05/14/21 21:32*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*05/14/21 09:46*	*05/14/21 21:32*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*05/14/21 09:46*	*05/14/21 21:32*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*05/14/21 09:46*	*05/14/21 21:32*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 150*	*05/14/21 09:46*	*05/14/21 21:32*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-778046/1-B
Matrix: Solid
Analysis Batch: 778201

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778093

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/15/21 06:32	05/15/21 23:33	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/15/21 06:32	05/15/21 23:33	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/15/21 06:32	05/15/21 23:33	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/15/21 06:32	05/15/21 23:33	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/15/21 06:32	05/15/21 23:33	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/15/21 06:32	05/15/21 23:33	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/15/21 06:32	05/15/21 23:33	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/15/21 06:32	05/15/21 23:33	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/15/21 06:32	05/15/21 23:33	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/15/21 06:32	05/15/21 23:33	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/15/21 06:32	05/15/21 23:33	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/15/21 06:32	05/15/21 23:33	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*	*05/15/21 06:32*	*05/15/21 23:33*	*1*
2-Fluorobiphenyl	*102*		*42 - 127*	*05/15/21 06:32*	*05/15/21 23:33*	*1*
2-Fluorophenol (Surr)	*65*		*18 - 72*	*05/15/21 06:32*	*05/15/21 23:33*	*1*
Nitrobenzene-d5 (Surr)	*113*		*46 - 137*	*05/15/21 06:32*	*05/15/21 23:33*	*1*
Phenol-d5 (Surr)	*43*		*10 - 50*	*05/15/21 06:32*	*05/15/21 23:33*	*1*
Terphenyl-d14 (Surr)	*111*		*39 - 150*	*05/15/21 06:32*	*05/15/21 23:33*	*1*

Lab Sample ID: LB 460-778215/1-B
Matrix: Solid
Analysis Batch: 778315

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778165

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/16/21 07:20	05/17/21 02:53	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/16/21 07:20	05/17/21 02:53	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/16/21 07:20	05/17/21 02:53	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/16/21 07:20	05/17/21 02:53	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/16/21 07:20	05/17/21 02:53	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/16/21 07:20	05/17/21 02:53	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/16/21 07:20	05/17/21 02:53	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/16/21 07:20	05/17/21 02:53	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/16/21 07:20	05/17/21 02:53	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/16/21 07:20	05/17/21 02:53	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/16/21 07:20	05/17/21 02:53	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/16/21 07:20	05/17/21 02:53	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 150*	*05/16/21 07:20*	*05/17/21 02:53*	*1*
2-Fluorobiphenyl	*117*		*42 - 127*	*05/16/21 07:20*	*05/17/21 02:53*	*1*
2-Fluorophenol (Surr)	*55*		*18 - 72*	*05/16/21 07:20*	*05/17/21 02:53*	*1*
Nitrobenzene-d5 (Surr)	*111*		*46 - 137*	*05/16/21 07:20*	*05/17/21 02:53*	*1*
Phenol-d5 (Surr)	*32*		*10 - 50*	*05/16/21 07:20*	*05/17/21 02:53*	*1*
Terphenyl-d14 (Surr)	*135*		*39 - 150*	*05/16/21 07:20*	*05/17/21 02:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-778334/1-E
Matrix: Solid
Analysis Batch: 778499

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778419

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/17/21 10:20	05/17/21 20:37	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/17/21 10:20	05/17/21 20:37	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/17/21 10:20	05/17/21 20:37	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/17/21 10:20	05/17/21 20:37	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/17/21 10:20	05/17/21 20:37	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/17/21 10:20	05/17/21 20:37	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/17/21 10:20	05/17/21 20:37	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/17/21 10:20	05/17/21 20:37	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/17/21 10:20	05/17/21 20:37	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/17/21 10:20	05/17/21 20:37	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/17/21 10:20	05/17/21 20:37	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/17/21 10:20	05/17/21 20:37	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 150*	*05/17/21 10:20*	*05/17/21 20:37*	*1*
2-Fluorobiphenyl	*71*		*42 - 127*	*05/17/21 10:20*	*05/17/21 20:37*	*1*
2-Fluorophenol (Surr)	*54*		*18 - 72*	*05/17/21 10:20*	*05/17/21 20:37*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 137*	*05/17/21 10:20*	*05/17/21 20:37*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/17/21 10:20*	*05/17/21 20:37*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 150*	*05/17/21 10:20*	*05/17/21 20:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-777288/1-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-777288/1-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/11/21 18:41	05/12/21 08:42	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/11/21 18:41	05/12/21 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*05/11/21 18:41*	*05/12/21 08:42*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*05/11/21 18:41*	*05/12/21 08:42*	*1*
Tetrachloro-m-xylene	*89*		*10 - 133*	*05/11/21 18:41*	*05/12/21 08:42*	*1*
Tetrachloro-m-xylene	*91*		*10 - 133*	*05/11/21 18:41*	*05/12/21 08:42*	*1*

Lab Sample ID: LCS 460-777288/2-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.146		mg/Kg		109	70 - 140
4,4'-DDD	0.133	0.140		mg/Kg		105	70 - 140
4,4'-DDE	0.133	0.146		mg/Kg		110	71 - 137
4,4'-DDE	0.133	0.141		mg/Kg		105	71 - 137
4,4'-DDT	0.133	0.126		mg/Kg		95	63 - 131
4,4'-DDT	0.133	0.133		mg/Kg		100	63 - 131
Aldrin	0.133	0.145		mg/Kg		109	74 - 140
Aldrin	0.133	0.136		mg/Kg		102	74 - 140
alpha-BHC	0.133	0.145		mg/Kg		109	72 - 142
alpha-BHC	0.133	0.141		mg/Kg		106	72 - 142
beta-BHC	0.133	0.141		mg/Kg		106	65 - 137
beta-BHC	0.133	0.140		mg/Kg		105	65 - 137
delta-BHC	0.133	0.147		mg/Kg		110	70 - 143
delta-BHC	0.133	0.141		mg/Kg		106	70 - 143
Dieldrin	0.133	0.145		mg/Kg		108	70 - 135
Dieldrin	0.133	0.142		mg/Kg		106	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-777288/2-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777288

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan I			0.133	0.147		mg/Kg		110	68 - 135		
Endosulfan I			0.133	0.142		mg/Kg		106	68 - 135		
Endosulfan II			0.133	0.151		mg/Kg		113	64 - 130		
Endosulfan II			0.133	0.150		mg/Kg		113	64 - 130		
Endosulfan sulfate			0.133	0.147		mg/Kg		110	66 - 143		
Endosulfan sulfate			0.133	0.135		mg/Kg		101	66 - 143		
Endrin			0.133	0.143		mg/Kg		107	68 - 136		
Endrin			0.133	0.143		mg/Kg		107	68 - 136		
Endrin aldehyde			0.133	0.138		mg/Kg		104	68 - 132		
Endrin aldehyde			0.133	0.136		mg/Kg		102	68 - 132		
Endrin ketone			0.133	0.142		mg/Kg		106	60 - 150		
Endrin ketone			0.133	0.137		mg/Kg		103	60 - 150		
gamma-BHC (Lindane)			0.133	0.145		mg/Kg		109	70 - 134		
gamma-BHC (Lindane)			0.133	0.140		mg/Kg		105	70 - 134		
Heptachlor			0.133	0.141		mg/Kg		105	69 - 134		
Heptachlor			0.133	0.134		mg/Kg		101	69 - 134		
Heptachlor epoxide			0.133	0.142		mg/Kg		106	70 - 135		
Heptachlor epoxide			0.133	0.134		mg/Kg		101	70 - 135		
Methoxychlor			0.133	0.119		mg/Kg		89	57 - 135		
Methoxychlor			0.133	0.120		mg/Kg		90	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*10 - 150*
DCB Decachlorobiphenyl	*99*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*86*		*10 - 133*

Lab Sample ID: LCSD 460-777288/3-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777288

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.155		mg/Kg		116	70 - 140	6	30
4,4'-DDD			0.133	0.143		mg/Kg		107	70 - 140	2	30
4,4'-DDE			0.133	0.154		mg/Kg		116	71 - 137	6	30
4,4'-DDE			0.133	0.142		mg/Kg		107	71 - 137	1	30
4,4'-DDT			0.133	0.123		mg/Kg		92	63 - 131	3	30
4,4'-DDT			0.133	0.129		mg/Kg		97	63 - 131	3	30
Aldrin			0.133	0.157		mg/Kg		118	74 - 140	8	30
Aldrin			0.133	0.140		mg/Kg		105	74 - 140	2	30
alpha-BHC			0.133	0.156		mg/Kg		117	72 - 142	7	30
alpha-BHC			0.133	0.145		mg/Kg		108	72 - 142	3	30
beta-BHC			0.133	0.153		mg/Kg		114	65 - 137	8	30
beta-BHC			0.133	0.145		mg/Kg		109	65 - 137	3	30
delta-BHC			0.133	0.158		mg/Kg		119	70 - 143	7	30
delta-BHC			0.133	0.144		mg/Kg		108	70 - 143	2	30
Dieldrin			0.133	0.152		mg/Kg		114	70 - 135	5	30
Dieldrin			0.133	0.143		mg/Kg		107	70 - 135	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-777288/3-A
Matrix: Solid
Analysis Batch: 777342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777288

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			0.133	0.154		mg/Kg		116	68 - 135	5	30
Endosulfan I			0.133	0.143		mg/Kg		107	68 - 135	1	30
Endosulfan II			0.133	0.160		mg/Kg		120	64 - 130	6	30
Endosulfan II			0.133	0.151		mg/Kg		114	64 - 130	1	30
Endosulfan sulfate			0.133	0.154		mg/Kg		115	66 - 143	4	30
Endosulfan sulfate			0.133	0.136		mg/Kg		102	66 - 143	0	30
Endrin			0.133	0.150		mg/Kg		112	68 - 136	4	30
Endrin			0.133	0.142		mg/Kg		106	68 - 136	0	30
Endrin aldehyde			0.133	0.146		mg/Kg		110	68 - 132	6	30
Endrin aldehyde			0.133	0.136		mg/Kg		102	68 - 132	0	30
Endrin ketone			0.133	0.147		mg/Kg		110	60 - 150	4	30
Endrin ketone			0.133	0.137		mg/Kg		102	60 - 150	0	30
gamma-BHC (Lindane)			0.133	0.156		mg/Kg		117	70 - 134	7	30
gamma-BHC (Lindane)			0.133	0.144		mg/Kg		108	70 - 134	3	30
Heptachlor			0.133	0.149		mg/Kg		111	69 - 134	6	30
Heptachlor			0.133	0.136		mg/Kg		102	69 - 134	2	30
Heptachlor epoxide			0.133	0.150		mg/Kg		112	70 - 135	6	30
Heptachlor epoxide			0.133	0.136		mg/Kg		102	70 - 135	1	30
Methoxychlor			0.133	0.116		mg/Kg		87	57 - 135	3	30
Methoxychlor			0.133	0.115		mg/Kg		86	57 - 135	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*10 - 150*
DCB Decachlorobiphenyl	*91*		*10 - 150*
Tetrachloro-m-xylene	*91*		*10 - 133*
Tetrachloro-m-xylene	*89*		*10 - 133*

Lab Sample ID: MB 460-777718/1-A
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/13/21 10:55	05/14/21 05:53	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/13/21 10:55	05/14/21 05:53	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:55	05/14/21 05:53	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:55	05/14/21 05:53	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/13/21 10:55	05/14/21 05:53	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/13/21 10:55	05/14/21 05:53	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/13/21 10:55	05/14/21 05:53	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/13/21 10:55	05/14/21 05:53	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/13/21 10:55	05/14/21 05:53	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/13/21 10:55	05/14/21 05:53	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:55	05/14/21 05:53	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:55	05/14/21 05:53	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/13/21 10:55	05/14/21 05:53	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/13/21 10:55	05/14/21 05:53	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-777718/1-A
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777718

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		10 - 150	05/13/21 10:55	05/14/21 05:53	1
DCB Decachlorobiphenyl	92		10 - 150	05/13/21 10:55	05/14/21 05:53	1
Tetrachloro-m-xylene	89		10 - 150	05/13/21 10:55	05/14/21 05:53	1
Tetrachloro-m-xylene	91		10 - 150	05/13/21 10:55	05/14/21 05:53	1

Lab Sample ID: LCS 460-777718/2-A
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000638		mg/L		80	64 - 130
cis-Chlordane	0.000800	0.000721		mg/L		90	64 - 130
trans-Chlordane	0.000800	0.000634		mg/L		79	65 - 132
trans-Chlordane	0.000800	0.000742		mg/L		93	65 - 132
Endrin	0.000800	0.000626		mg/L		78	67 - 132
Endrin	0.000800	0.000722		mg/L		90	67 - 132
gamma-BHC (Lindane)	0.000800	0.000674		mg/L		84	65 - 134
gamma-BHC (Lindane)	0.000800	0.000752		mg/L		94	65 - 134
Heptachlor	0.000800	0.000629		mg/L		79	63 - 128
Heptachlor	0.000800	0.000717		mg/L		90	63 - 128
Heptachlor epoxide	0.000800	0.000646		mg/L		81	66 - 128
Heptachlor epoxide	0.000800	0.000733		mg/L		92	66 - 128
Methoxychlor	0.000800	0.000611		mg/L		76	42 - 151
Methoxychlor	0.000800	0.000610		mg/L		76	42 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	76		10 - 150
DCB Decachlorobiphenyl	84		10 - 150
Tetrachloro-m-xylene	85		10 - 150
Tetrachloro-m-xylene	87		10 - 150

Lab Sample ID: LCSD 460-777718/3-A
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.000800	0.000636		mg/L		79	64 - 130	0	30
cis-Chlordane	0.000800	0.000717		mg/L		90	64 - 130	1	30
trans-Chlordane	0.000800	0.000629		mg/L		79	65 - 132	1	30
trans-Chlordane	0.000800	0.000735		mg/L		92	65 - 132	1	30
Endrin	0.000800	0.000618		mg/L		77	67 - 132	1	30
Endrin	0.000800	0.000718		mg/L		90	67 - 132	1	30
gamma-BHC (Lindane)	0.000800	0.000660		mg/L		83	65 - 134	2	30
gamma-BHC (Lindane)	0.000800	0.000751		mg/L		94	65 - 134	0	30
Heptachlor	0.000800	0.000622		mg/L		78	63 - 128	1	30
Heptachlor	0.000800	0.000719		mg/L		90	63 - 128	0	30
Heptachlor epoxide	0.000800	0.000636		mg/L		79	66 - 128	2	30
Heptachlor epoxide	0.000800	0.000732		mg/L		91	66 - 128	0	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-777718/3-A
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777718

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor			0.000800	0.000591		mg/L		74	42 - 151	3	30
Methoxychlor			0.000800	0.000608		mg/L		76	42 - 151	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*82*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*

Lab Sample ID: MB 460-777822/1-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/13/21 19:09	05/14/21 04:48	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-777822/1-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/13/21 19:09	05/14/21 04:48	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/13/21 19:09	05/14/21 04:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*05/13/21 19:09*	*05/14/21 04:48*	*1*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*05/13/21 19:09*	*05/14/21 04:48*	*1*
Tetrachloro-m-xylene	*102*		*10 - 133*	*05/13/21 19:09*	*05/14/21 04:48*	*1*
Tetrachloro-m-xylene	*100*		*10 - 133*	*05/13/21 19:09*	*05/14/21 04:48*	*1*

Lab Sample ID: LCS 460-777822/2-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.138		mg/Kg		103	70 - 140
4,4'-DDD	0.133	0.153		mg/Kg		115	70 - 140
4,4'-DDE	0.133	0.139		mg/Kg		104	71 - 137
4,4'-DDE	0.133	0.149		mg/Kg		112	71 - 137
4,4'-DDT	0.133	0.129		mg/Kg		97	63 - 131
4,4'-DDT	0.133	0.147		mg/Kg		110	63 - 131
Aldrin	0.133	0.136		mg/Kg		102	74 - 140
Aldrin	0.133	0.146		mg/Kg		109	74 - 140
alpha-BHC	0.133	0.139		mg/Kg		104	72 - 142
alpha-BHC	0.133	0.147		mg/Kg		110	72 - 142
beta-BHC	0.133	0.143		mg/Kg		107	65 - 137
beta-BHC	0.133	0.144		mg/Kg		108	65 - 137
delta-BHC	0.133	0.137		mg/Kg		102	70 - 143
delta-BHC	0.133	0.140		mg/Kg		105	70 - 143
Dieldrin	0.133	0.137		mg/Kg		103	70 - 135
Dieldrin	0.133	0.148		mg/Kg		111	70 - 135
Endosulfan I	0.133	0.134		mg/Kg		101	68 - 135
Endosulfan I	0.133	0.145		mg/Kg		109	68 - 135
Endosulfan II	0.133	0.141		mg/Kg		106	64 - 130
Endosulfan II	0.133	0.157		mg/Kg		118	64 - 130
Endosulfan sulfate	0.133	0.139		mg/Kg		104	66 - 143
Endosulfan sulfate	0.133	0.156		mg/Kg		117	66 - 143
Endrin	0.133	0.137		mg/Kg		102	68 - 136
Endrin	0.133	0.147		mg/Kg		110	68 - 136
Endrin aldehyde	0.133	0.130		mg/Kg		97	68 - 132
Endrin aldehyde	0.133	0.140		mg/Kg		105	68 - 132
Endrin ketone	0.133	0.125		mg/Kg		94	60 - 150
Endrin ketone	0.133	0.136		mg/Kg		102	60 - 150
gamma-BHC (Lindane)	0.133	0.138		mg/Kg		104	70 - 134
gamma-BHC (Lindane)	0.133	0.144		mg/Kg		108	70 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-777822/2-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.133	0.131		mg/Kg		99	69 - 134		
Heptachlor			0.133	0.143		mg/Kg		107	69 - 134		
Heptachlor epoxide			0.133	0.134		mg/Kg		101	70 - 135		
Heptachlor epoxide			0.133	0.144		mg/Kg		108	70 - 135		
Methoxychlor			0.133	0.119		mg/Kg		89	57 - 135		
Methoxychlor			0.133	0.137		mg/Kg		102	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Lab Sample ID: LCSD 460-777822/3-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.151		mg/Kg		113	70 - 140	9	30
4,4'-DDD			0.133	0.168		mg/Kg		126	70 - 140	9	30
4,4'-DDE			0.133	0.152		mg/Kg		114	71 - 137	9	30
4,4'-DDE			0.133	0.164		mg/Kg		123	71 - 137	9	30
4,4'-DDT			0.133	0.142		mg/Kg		106	63 - 131	9	30
4,4'-DDT			0.133	0.161		mg/Kg		121	63 - 131	9	30
Aldrin			0.133	0.148		mg/Kg		111	74 - 140	9	30
Aldrin			0.133	0.159		mg/Kg		119	74 - 140	9	30
alpha-BHC			0.133	0.150		mg/Kg		112	72 - 142	8	30
alpha-BHC			0.133	0.158		mg/Kg		119	72 - 142	8	30
beta-BHC			0.133	0.155		mg/Kg		116	65 - 137	8	30
beta-BHC			0.133	0.157		mg/Kg		118	65 - 137	9	30
delta-BHC			0.133	0.149		mg/Kg		112	70 - 143	9	30
delta-BHC			0.133	0.152		mg/Kg		114	70 - 143	9	30
Dieldrin			0.133	0.150		mg/Kg		112	70 - 135	9	30
Dieldrin			0.133	0.163		mg/Kg		122	70 - 135	10	30
Endosulfan I			0.133	0.144		mg/Kg		108	68 - 135	7	30
Endosulfan I			0.133	0.159		mg/Kg		120	68 - 135	10	30
Endosulfan II			0.133	0.154		mg/Kg		115	64 - 130	9	30
Endosulfan II			0.133	0.172		mg/Kg		129	64 - 130	9	30
Endosulfan sulfate			0.133	0.153		mg/Kg		115	66 - 143	9	30
Endosulfan sulfate			0.133	0.172		mg/Kg		129	66 - 143	10	30
Endrin			0.133	0.149		mg/Kg		112	68 - 136	9	30
Endrin			0.133	0.161		mg/Kg		121	68 - 136	9	30
Endrin aldehyde			0.133	0.142		mg/Kg		106	68 - 132	9	30
Endrin aldehyde			0.133	0.154		mg/Kg		116	68 - 132	10	30
Endrin ketone			0.133	0.136		mg/Kg		102	60 - 150	8	30
Endrin ketone			0.133	0.148		mg/Kg		111	60 - 150	8	30
gamma-BHC (Lindane)			0.133	0.150		mg/Kg		113	70 - 134	8	30
gamma-BHC (Lindane)			0.133	0.157		mg/Kg		118	70 - 134	8	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-777822/3-A
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor			0.133	0.143		mg/Kg		108	69 - 134	9	30
Heptachlor			0.133	0.155		mg/Kg		117	69 - 134	9	30
Heptachlor epoxide			0.133	0.146		mg/Kg		110	70 - 135	9	30
Heptachlor epoxide			0.133	0.158		mg/Kg		118	70 - 135	9	30
Methoxychlor			0.133	0.130		mg/Kg		98	57 - 135	9	30
Methoxychlor			0.133	0.151		mg/Kg		113	57 - 135	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*10 - 150*
DCB Decachlorobiphenyl	*101*		*10 - 150*
Tetrachloro-m-xylene	*97*		*10 - 133*
Tetrachloro-m-xylene	*97*		*10 - 133*

Lab Sample ID: 460-234122-F-1-D MS
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0077	U	0.153	0.101	*	mg/Kg	☼	66	70 - 140
4,4'-DDD	0.0077	U	0.153	0.105	*	mg/Kg	☼	69	70 - 140
4,4'-DDE	0.0077	U	0.153	0.101	*	mg/Kg	☼	66	71 - 137
4,4'-DDE	0.0077	U	0.153	0.101	*	mg/Kg	☼	66	71 - 137
4,4'-DDT	0.0077	U	0.153	0.0920	*	mg/Kg	☼	60	63 - 131
4,4'-DDT	0.0077	U	0.153	0.0980		mg/Kg	☼	64	63 - 131
Aldrin	0.0077	U	0.153	0.0989	*	mg/Kg	☼	65	74 - 140
Aldrin	0.0077	U	0.153	0.0996	*	mg/Kg	☼	65	74 - 140
alpha-BHC	0.0023	U	0.153	0.0997	*	mg/Kg	☼	65	72 - 142
alpha-BHC	0.0023	U	0.153	0.0986	*	mg/Kg	☼	64	72 - 142
beta-BHC	0.0023	U	0.153	0.104		mg/Kg	☼	68	65 - 137
beta-BHC	0.0023	U	0.153	0.100		mg/Kg	☼	65	65 - 137
delta-BHC	0.0023	U	0.153	0.0992	*	mg/Kg	☼	65	70 - 143
delta-BHC	0.0023	U	0.153	0.0952	*	mg/Kg	☼	62	70 - 143
Dieldrin	0.0023	U	0.153	0.100	*	mg/Kg	☼	66	70 - 135
Dieldrin	0.0023	U	0.153	0.102	*	mg/Kg	☼	67	70 - 135
Endosulfan I	0.0077	U	0.153	0.0982	*	mg/Kg	☼	64	68 - 135
Endosulfan I	0.0077	U	0.153	0.0998	*	mg/Kg	☼	65	68 - 135
Endosulfan II	0.0077	U	0.153	0.103		mg/Kg	☼	67	64 - 130
Endosulfan II	0.0077	U	0.153	0.108		mg/Kg	☼	71	64 - 130
Endosulfan sulfate	0.0077	U	0.153	0.101		mg/Kg	☼	66	66 - 143
Endosulfan sulfate	0.0077	U	0.153	0.107		mg/Kg	☼	70	66 - 143
Endrin	0.0077	U	0.153	0.0993	*	mg/Kg	☼	65	68 - 136
Endrin	0.0077	U	0.153	0.100	*	mg/Kg	☼	65	68 - 136
Endrin aldehyde	0.0077	U	0.153	0.0973	*	mg/Kg	☼	64	68 - 132
Endrin aldehyde	0.0077	U	0.153	0.0991	*	mg/Kg	☼	65	68 - 132
Endrin ketone	0.0077	U	0.153	0.0918		mg/Kg	☼	60	60 - 150
Endrin ketone	0.0077	U	0.153	0.0928		mg/Kg	☼	61	60 - 150
gamma-BHC (Lindane)	0.0023	U	0.153	0.100	*	mg/Kg	☼	65	70 - 134
gamma-BHC (Lindane)	0.0023	U	0.153	0.0983	*	mg/Kg	☼	64	70 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234122-F-1-D MS
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.0077	U	0.153	0.0949	*	mg/Kg	☼	62	69 - 134
Heptachlor	0.0077	U	0.153	0.0966	*	mg/Kg	☼	63	69 - 134
Heptachlor epoxide	0.0077	U	0.153	0.0983	*	mg/Kg	☼	64	70 - 135
Heptachlor epoxide	0.0077	U	0.153	0.0985	*	mg/Kg	☼	64	70 - 135
Methoxychlor	0.0077	U	0.153	0.0870		mg/Kg	☼	57	57 - 135
Methoxychlor	0.0077	U	0.153	0.0938		mg/Kg	☼	61	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*80*		*10 - 150*
Tetrachloro-m-xylene	*79*		*10 - 133*
Tetrachloro-m-xylene	*79*		*10 - 133*

Lab Sample ID: 460-234122-F-1-E MSD
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0077	U	0.153	0.119		mg/Kg	☼	78	70 - 140	16	30
4,4'-DDD	0.0077	U	0.153	0.133		mg/Kg	☼	87	70 - 140	23	30
4,4'-DDE	0.0077	U	0.153	0.118		mg/Kg	☼	77	71 - 137	16	30
4,4'-DDE	0.0077	U	0.153	0.129		mg/Kg	☼	84	71 - 137	24	30
4,4'-DDT	0.0077	U	0.153	0.111		mg/Kg	☼	72	63 - 131	19	30
4,4'-DDT	0.0077	U	0.153	0.126		mg/Kg	☼	82	63 - 131	25	30
Aldrin	0.0077	U	0.153	0.117		mg/Kg	☼	76	74 - 140	16	30
Aldrin	0.0077	U	0.153	0.124		mg/Kg	☼	81	74 - 140	22	30
alpha-BHC	0.0023	U	0.153	0.119		mg/Kg	☼	78	72 - 142	17	30
alpha-BHC	0.0023	U	0.153	0.123		mg/Kg	☼	80	72 - 142	22	30
beta-BHC	0.0023	U	0.153	0.124		mg/Kg	☼	81	65 - 137	17	30
beta-BHC	0.0023	U	0.153	0.124		mg/Kg	☼	81	65 - 137	21	30
delta-BHC	0.0023	U	0.153	0.118		mg/Kg	☼	77	70 - 143	17	30
delta-BHC	0.0023	U	0.153	0.119		mg/Kg	☼	78	70 - 143	22	30
Dieldrin	0.0023	U	0.153	0.118		mg/Kg	☼	77	70 - 135	16	30
Dieldrin	0.0023	U	0.153	0.129		mg/Kg	☼	84	70 - 135	23	30
Endosulfan I	0.0077	U	0.153	0.115		mg/Kg	☼	75	68 - 135	16	30
Endosulfan I	0.0077	U	0.153	0.127		mg/Kg	☼	83	68 - 135	24	30
Endosulfan II	0.0077	U	0.153	0.122		mg/Kg	☼	80	64 - 130	16	30
Endosulfan II	0.0077	U	0.153	0.136		mg/Kg	☼	89	64 - 130	23	30
Endosulfan sulfate	0.0077	U	0.153	0.121		mg/Kg	☼	79	66 - 143	18	30
Endosulfan sulfate	0.0077	U	0.153	0.136		mg/Kg	☼	89	66 - 143	23	30
Endrin	0.0077	U	0.153	0.117		mg/Kg	☼	76	68 - 136	16	30
Endrin	0.0077	U	0.153	0.126		mg/Kg	☼	83	68 - 136	23	30
Endrin aldehyde	0.0077	U	0.153	0.116		mg/Kg	☼	76	68 - 132	18	30
Endrin aldehyde	0.0077	U	0.153	0.125		mg/Kg	☼	82	68 - 132	23	30
Endrin ketone	0.0077	U	0.153	0.110		mg/Kg	☼	72	60 - 150	18	30
Endrin ketone	0.0077	U	0.153	0.118		mg/Kg	☼	77	60 - 150	24	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.120		mg/Kg	☼	78	70 - 134	18	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.123		mg/Kg	☼	81	70 - 134	23	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234122-F-1-E MSD
Matrix: Solid
Analysis Batch: 777862

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor	0.0077	U	0.153	0.112		mg/Kg	☼	73	69 - 134	17	30
Heptachlor	0.0077	U	0.153	0.121		mg/Kg	☼	79	69 - 134	22	30
Heptachlor epoxide	0.0077	U	0.153	0.116		mg/Kg	☼	76	70 - 135	17	30
Heptachlor epoxide	0.0077	U	0.153	0.125		mg/Kg	☼	82	70 - 135	24	30
Methoxychlor	0.0077	U	0.153	0.105		mg/Kg	☼	69	57 - 135	19	30
Methoxychlor	0.0077	U	0.153	0.119		mg/Kg	☼	78	57 - 135	24	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*10 - 150*
DCB Decachlorobiphenyl	*77*		*10 - 150*
Tetrachloro-m-xylene	*70*		*10 - 133*
Tetrachloro-m-xylene	*72*		*10 - 133*

Lab Sample ID: MB 460-777969/1-A
Matrix: Solid
Analysis Batch: 778300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/14/21 10:38	05/16/21 17:01	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/14/21 10:38	05/16/21 17:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:38	05/16/21 17:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:38	05/16/21 17:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/14/21 10:38	05/16/21 17:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/14/21 10:38	05/16/21 17:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/14/21 10:38	05/16/21 17:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/14/21 10:38	05/16/21 17:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/14/21 10:38	05/16/21 17:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/14/21 10:38	05/16/21 17:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:38	05/16/21 17:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:38	05/16/21 17:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/14/21 10:38	05/16/21 17:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/14/21 10:38	05/16/21 17:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/14/21 10:38*	*05/16/21 17:01*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*05/14/21 10:38*	*05/16/21 17:01*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*05/14/21 10:38*	*05/16/21 17:01*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*05/14/21 10:38*	*05/16/21 17:01*	*1*

Lab Sample ID: LCS 460-777969/2-A
Matrix: Solid
Analysis Batch: 778300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000713		mg/L		89	64 - 130
cis-Chlordane	0.000800	0.000687		mg/L		86	64 - 130
trans-Chlordane	0.000800	0.000720		mg/L		90	65 - 132
trans-Chlordane	0.000800	0.000687		mg/L		86	65 - 132

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-777969/2-A
Matrix: Solid
Analysis Batch: 778300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777969

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endrin			0.000800	0.000749		mg/L		94	67 - 132		
Endrin			0.000800	0.000758		mg/L		95	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000735		mg/L		92	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000731		mg/L		91	65 - 134		
Heptachlor			0.000800	0.000726		mg/L		91	63 - 128		
Heptachlor			0.000800	0.000710		mg/L		89	63 - 128		
Heptachlor epoxide			0.000800	0.000724		mg/L		91	66 - 128		
Heptachlor epoxide			0.000800	0.000707		mg/L		88	66 - 128		
Methoxychlor			0.000800	0.000629		mg/L		79	42 - 151		
Methoxychlor			0.000800	0.000635		mg/L		79	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*10 - 150*
DCB Decachlorobiphenyl	*84*		*10 - 150*
Tetrachloro-m-xylene	*73*		*10 - 150*
Tetrachloro-m-xylene	*76*		*10 - 150*

Lab Sample ID: LCSD 460-777969/3-A
Matrix: Solid
Analysis Batch: 778300

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777969

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000754		mg/L		94	64 - 130	6	30
cis-Chlordane			0.000800	0.000674		mg/L		84	64 - 130	2	30
trans-Chlordane			0.000800	0.000762		mg/L		95	65 - 132	6	30
trans-Chlordane			0.000800	0.000671		mg/L		84	65 - 132	2	30
Endrin			0.000800	0.000794		mg/L		99	67 - 132	6	30
Endrin			0.000800	0.000741		mg/L		93	67 - 132	2	30
gamma-BHC (Lindane)			0.000800	0.000777		mg/L		97	65 - 134	6	30
gamma-BHC (Lindane)			0.000800	0.000717		mg/L		90	65 - 134	2	30
Heptachlor			0.000800	0.000768		mg/L		96	63 - 128	6	30
Heptachlor			0.000800	0.000695		mg/L		87	63 - 128	2	30
Heptachlor epoxide			0.000800	0.000780		mg/L		97	66 - 128	7	30
Heptachlor epoxide			0.000800	0.000697		mg/L		87	66 - 128	1	30
Methoxychlor			0.000800	0.000656		mg/L		82	42 - 151	4	30
Methoxychlor			0.000800	0.000620		mg/L		78	42 - 151	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*86*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 150*
Tetrachloro-m-xylene	*75*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-778168/1-A
Matrix: Solid
Analysis Batch: 778297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/15/21 13:34	05/16/21 17:09	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/15/21 13:34	05/16/21 17:09	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 17:09	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 17:09	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/15/21 13:34	05/16/21 17:09	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/15/21 13:34	05/16/21 17:09	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/15/21 13:34	05/16/21 17:09	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/15/21 13:34	05/16/21 17:09	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/15/21 13:34	05/16/21 17:09	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/15/21 13:34	05/16/21 17:09	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 17:09	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 17:09	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/15/21 13:34	05/16/21 17:09	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/15/21 13:34	05/16/21 17:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*05/15/21 13:34*	*05/16/21 17:09*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*05/15/21 13:34*	*05/16/21 17:09*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*05/15/21 13:34*	*05/16/21 17:09*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*05/15/21 13:34*	*05/16/21 17:09*	*1*

Lab Sample ID: LCS 460-778168/2-A
Matrix: Solid
Analysis Batch: 778297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000736		mg/L		92	64 - 130
cis-Chlordane	0.000800	0.000912		mg/L		114	64 - 130
trans-Chlordane	0.000800	0.000743		mg/L		93	65 - 132
trans-Chlordane	0.000800	0.000937		mg/L		117	65 - 132
Endrin	0.000800	0.000731		mg/L		91	67 - 132
Endrin	0.000800	0.000926		mg/L		116	67 - 132
gamma-BHC (Lindane)	0.000800	0.000781		mg/L		98	65 - 134
gamma-BHC (Lindane)	0.000800	0.000936		mg/L		117	65 - 134
Heptachlor	0.000800	0.000742		mg/L		93	63 - 128
Heptachlor	0.000800	0.000901		mg/L		113	63 - 128
Heptachlor epoxide	0.000800	0.000758		mg/L		95	66 - 128
Heptachlor epoxide	0.000800	0.000932		mg/L		117	66 - 128
Methoxychlor	0.000800	0.000722		mg/L		90	42 - 151
Methoxychlor	0.000800	0.000749		mg/L		94	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*98*		*10 - 150*
Tetrachloro-m-xylene	*89*		*10 - 150*
Tetrachloro-m-xylene	*95*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-778168/3-A
Matrix: Solid
Analysis Batch: 778297

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000635		mg/L		79	64 - 130	15	30
cis-Chlordane			0.000800	0.000712		mg/L		89	64 - 130	25	30
trans-Chlordane			0.000800	0.000637		mg/L		80	65 - 132	15	30
trans-Chlordane			0.000800	0.000733		mg/L		92	65 - 132	24	30
Endrin			0.000800	0.000625		mg/L		78	67 - 132	16	30
Endrin			0.000800	0.000709		mg/L		89	67 - 132	27	30
gamma-BHC (Lindane)			0.000800	0.000663		mg/L		83	65 - 134	16	30
gamma-BHC (Lindane)			0.000800	0.000748		mg/L		93	65 - 134	22	30
Heptachlor			0.000800	0.000628		mg/L		78	63 - 128	17	30
Heptachlor			0.000800	0.000718		mg/L		90	63 - 128	23	30
Heptachlor epoxide			0.000800	0.000655		mg/L		82	66 - 128	15	30
Heptachlor epoxide			0.000800	0.000734		mg/L		92	66 - 128	24	30
Methoxychlor			0.000800	0.000611		mg/L		76	42 - 151	17	30
Methoxychlor			0.000800	0.000598		mg/L		75	42 - 151	22	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*

Lab Sample ID: MB 460-778176/1-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/15/21 14:31	05/17/21 06:09	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-778176/1-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/15/21 14:31	05/17/21 06:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/15/21 14:31	05/17/21 06:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/15/21 14:31*	*05/17/21 06:09*	*1*
DCB Decachlorobiphenyl	*103*		*10 - 150*	*05/15/21 14:31*	*05/17/21 06:09*	*1*
Tetrachloro-m-xylene	*95*		*10 - 133*	*05/15/21 14:31*	*05/17/21 06:09*	*1*
Tetrachloro-m-xylene	*92*		*10 - 133*	*05/15/21 14:31*	*05/17/21 06:09*	*1*

Lab Sample ID: LCS 460-778176/2-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.130		mg/Kg		97	70 - 140
4,4'-DDD	0.133	0.145		mg/Kg		108	70 - 140
4,4'-DDE	0.133	0.133		mg/Kg		100	71 - 137
4,4'-DDE	0.133	0.144		mg/Kg		108	71 - 137
4,4'-DDT	0.133	0.126		mg/Kg		94	63 - 131
4,4'-DDT	0.133	0.147		mg/Kg		111	63 - 131
Aldrin	0.133	0.130		mg/Kg		97	74 - 140
Aldrin	0.133	0.138		mg/Kg		103	74 - 140
alpha-BHC	0.133	0.134		mg/Kg		100	72 - 142
alpha-BHC	0.133	0.141		mg/Kg		106	72 - 142
beta-BHC	0.133	0.137		mg/Kg		103	65 - 137
beta-BHC	0.133	0.142		mg/Kg		107	65 - 137
delta-BHC	0.133	0.135		mg/Kg		101	70 - 143
delta-BHC	0.133	0.137		mg/Kg		103	70 - 143
Dieldrin	0.133	0.130		mg/Kg		98	70 - 135
Dieldrin	0.133	0.142		mg/Kg		106	70 - 135
Endosulfan I	0.133	0.127		mg/Kg		95	68 - 135
Endosulfan I	0.133	0.138		mg/Kg		104	68 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-778176/2-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan II	0.133	0.132		mg/Kg		99	64 - 130
Endosulfan II	0.133	0.149		mg/Kg		112	64 - 130
Endosulfan sulfate	0.133	0.128		mg/Kg		96	66 - 143
Endosulfan sulfate	0.133	0.147		mg/Kg		110	66 - 143
Endrin	0.133	0.132		mg/Kg		99	68 - 136
Endrin	0.133	0.143		mg/Kg		107	68 - 136
Endrin aldehyde	0.133	0.115		mg/Kg		86	68 - 132
Endrin aldehyde	0.133	0.126		mg/Kg		94	68 - 132
Endrin ketone	0.133	0.121		mg/Kg		91	60 - 150
Endrin ketone	0.133	0.134		mg/Kg		100	60 - 150
gamma-BHC (Lindane)	0.133	0.133		mg/Kg		100	70 - 134
gamma-BHC (Lindane)	0.133	0.140		mg/Kg		105	70 - 134
Heptachlor	0.133	0.132		mg/Kg		99	69 - 134
Heptachlor	0.133	0.140		mg/Kg		105	69 - 134
Heptachlor epoxide	0.133	0.129		mg/Kg		96	70 - 135
Heptachlor epoxide	0.133	0.137		mg/Kg		103	70 - 135
Methoxychlor	0.133	0.117		mg/Kg		88	57 - 135
Methoxychlor	0.133	0.137		mg/Kg		103	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*10 - 150*
DCB Decachlorobiphenyl	*86*		*10 - 150*
Tetrachloro-m-xylene	*82*		*10 - 133*
Tetrachloro-m-xylene	*83*		*10 - 133*

Lab Sample ID: LCSD 460-778176/3-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.132		mg/Kg		99	70 - 140	2	30
4,4'-DDD	0.133	0.152		mg/Kg		114	70 - 140	5	30
4,4'-DDE	0.133	0.135		mg/Kg		101	71 - 137	1	30
4,4'-DDE	0.133	0.152		mg/Kg		114	71 - 137	5	30
4,4'-DDT	0.133	0.130		mg/Kg		97	63 - 131	3	30
4,4'-DDT	0.133	0.152		mg/Kg		114	63 - 131	3	30
Aldrin	0.133	0.134		mg/Kg		100	74 - 140	3	30
Aldrin	0.133	0.145		mg/Kg		109	74 - 140	5	30
alpha-BHC	0.133	0.140		mg/Kg		105	72 - 142	4	30
alpha-BHC	0.133	0.146		mg/Kg		110	72 - 142	4	30
beta-BHC	0.133	0.146		mg/Kg		110	65 - 137	6	30
beta-BHC	0.133	0.149		mg/Kg		111	65 - 137	4	30
delta-BHC	0.133	0.139		mg/Kg		104	70 - 143	3	30
delta-BHC	0.133	0.143		mg/Kg		107	70 - 143	4	30
Dieldrin	0.133	0.133		mg/Kg		100	70 - 135	2	30
Dieldrin	0.133	0.148		mg/Kg		111	70 - 135	4	30
Endosulfan I	0.133	0.130		mg/Kg		97	68 - 135	2	30
Endosulfan I	0.133	0.145		mg/Kg		109	68 - 135	5	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-778176/3-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778176

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan II			0.133	0.136		mg/Kg		102	64 - 130	3	30
Endosulfan II			0.133	0.155		mg/Kg		116	64 - 130	4	30
Endosulfan sulfate			0.133	0.135		mg/Kg		101	66 - 143	5	30
Endosulfan sulfate			0.133	0.153		mg/Kg		115	66 - 143	4	30
Endrin			0.133	0.134		mg/Kg		100	68 - 136	2	30
Endrin			0.133	0.148		mg/Kg		111	68 - 136	4	30
Endrin aldehyde			0.133	0.120		mg/Kg		90	68 - 132	4	30
Endrin aldehyde			0.133	0.130		mg/Kg		98	68 - 132	3	30
Endrin ketone			0.133	0.127		mg/Kg		95	60 - 150	5	30
Endrin ketone			0.133	0.139		mg/Kg		104	60 - 150	4	30
gamma-BHC (Lindane)			0.133	0.141		mg/Kg		105	70 - 134	5	30
gamma-BHC (Lindane)			0.133	0.147		mg/Kg		110	70 - 134	4	30
Heptachlor			0.133	0.136		mg/Kg		102	69 - 134	3	30
Heptachlor			0.133	0.146		mg/Kg		110	69 - 134	4	30
Heptachlor epoxide			0.133	0.132		mg/Kg		99	70 - 135	3	30
Heptachlor epoxide			0.133	0.143		mg/Kg		107	70 - 135	4	30
Methoxychlor			0.133	0.123		mg/Kg		93	57 - 135	5	30
Methoxychlor			0.133	0.142		mg/Kg		107	57 - 135	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*10 - 150*
DCB Decachlorobiphenyl	*91*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Lab Sample ID: MB 460-778275/1-A
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 05:27	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 05:27	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:27	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:27	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 05:27	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 05:27	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 05:27	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 05:27	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 05:27	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 05:27	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:27	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:27	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 05:27	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 05:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:27*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-778275/1-A
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778275

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		10 - 150	05/16/21 12:16	05/17/21 05:27	1
Tetrachloro-m-xylene	77		10 - 150	05/16/21 12:16	05/17/21 05:27	1

Lab Sample ID: LCS 460-778275/2-A
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000746		mg/L		93	64 - 130
cis-Chlordane	0.000800	0.000672		mg/L		84	64 - 130
trans-Chlordane	0.000800	0.000747		mg/L		93	65 - 132
trans-Chlordane	0.000800	0.000670		mg/L		84	65 - 132
Endrin	0.000800	0.000750		mg/L		94	67 - 132
Endrin	0.000800	0.000723		mg/L		90	67 - 132
gamma-BHC (Lindane)	0.000800	0.000766		mg/L		96	65 - 134
gamma-BHC (Lindane)	0.000800	0.000710		mg/L		89	65 - 134
Heptachlor	0.000800	0.000751		mg/L		94	63 - 128
Heptachlor	0.000800	0.000697		mg/L		87	63 - 128
Heptachlor epoxide	0.000800	0.000752		mg/L		94	66 - 128
Heptachlor epoxide	0.000800	0.000680		mg/L		85	66 - 128
Methoxychlor	0.000800	0.000611		mg/L		76	42 - 151
Methoxychlor	0.000800	0.000628		mg/L		79	42 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	85		10 - 150
DCB Decachlorobiphenyl	79		10 - 150
Tetrachloro-m-xylene	83		10 - 150
Tetrachloro-m-xylene	76		10 - 150

Lab Sample ID: LCSD 460-778275/3-A
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.000800	0.000730		mg/L		91	64 - 130	2	30
cis-Chlordane	0.000800	0.000681		mg/L		85	64 - 130	1	30
trans-Chlordane	0.000800	0.000732		mg/L		92	65 - 132	2	30
trans-Chlordane	0.000800	0.000681		mg/L		85	65 - 132	2	30
Endrin	0.000800	0.000738		mg/L		92	67 - 132	2	30
Endrin	0.000800	0.000730		mg/L		91	67 - 132	1	30
gamma-BHC (Lindane)	0.000800	0.000760		mg/L		95	65 - 134	1	30
gamma-BHC (Lindane)	0.000800	0.000722		mg/L		90	65 - 134	2	30
Heptachlor	0.000800	0.000737		mg/L		92	63 - 128	2	30
Heptachlor	0.000800	0.000707		mg/L		88	63 - 128	1	30
Heptachlor epoxide	0.000800	0.000736		mg/L		92	66 - 128	2	30
Heptachlor epoxide	0.000800	0.000690		mg/L		86	66 - 128	1	30
Methoxychlor	0.000800	0.000594		mg/L		74	42 - 151	3	30
Methoxychlor	0.000800	0.000633		mg/L		79	42 - 151	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-778275/3-A
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778275

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	84		10 - 150
DCB Decachlorobiphenyl	82		10 - 150
Tetrachloro-m-xylene	81		10 - 150
Tetrachloro-m-xylene	77		10 - 150

Lab Sample ID: MB 460-778281/1-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/16/21 13:32	05/17/21 12:23	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-778281/1-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/16/21 13:32	05/17/21 12:23	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/16/21 13:32	05/17/21 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*05/16/21 13:32*	*05/17/21 12:23*	*1*
DCB Decachlorobiphenyl	*105*		*10 - 150*	*05/16/21 13:32*	*05/17/21 12:23*	*1*
Tetrachloro-m-xylene	*94*		*10 - 133*	*05/16/21 13:32*	*05/17/21 12:23*	*1*
Tetrachloro-m-xylene	*90*		*10 - 133*	*05/16/21 13:32*	*05/17/21 12:23*	*1*

Lab Sample ID: LCS 460-778281/2-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.135		mg/Kg		101	70 - 140
4,4'-DDD	0.133	0.149		mg/Kg		112	70 - 140
4,4'-DDE	0.133	0.133		mg/Kg		100	71 - 137
4,4'-DDE	0.133	0.144		mg/Kg		108	71 - 137
4,4'-DDT	0.133	0.125		mg/Kg		93	63 - 131
4,4'-DDT	0.133	0.140		mg/Kg		105	63 - 131
Aldrin	0.133	0.127		mg/Kg		95	74 - 140
Aldrin	0.133	0.136		mg/Kg		102	74 - 140
alpha-BHC	0.133	0.130		mg/Kg		98	72 - 142
alpha-BHC	0.133	0.135		mg/Kg		101	72 - 142
beta-BHC	0.133	0.138		mg/Kg		104	65 - 137
beta-BHC	0.133	0.141		mg/Kg		106	65 - 137
delta-BHC	0.133	0.133		mg/Kg		99	70 - 143
delta-BHC	0.133	0.137		mg/Kg		102	70 - 143
Dieldrin	0.133	0.130		mg/Kg		98	70 - 135
Dieldrin	0.133	0.140		mg/Kg		105	70 - 135
Endosulfan I	0.133	0.127		mg/Kg		95	68 - 135
Endosulfan I	0.133	0.137		mg/Kg		103	68 - 135
Endosulfan II	0.133	0.134		mg/Kg		101	64 - 130
Endosulfan II	0.133	0.147		mg/Kg		110	64 - 130
Endosulfan sulfate	0.133	0.133		mg/Kg		99	66 - 143
Endosulfan sulfate	0.133	0.146		mg/Kg		110	66 - 143
Endrin	0.133	0.130		mg/Kg		98	68 - 136
Endrin	0.133	0.140		mg/Kg		105	68 - 136
Endrin aldehyde	0.133	0.125		mg/Kg		94	68 - 132
Endrin aldehyde	0.133	0.132		mg/Kg		99	68 - 132
Endrin ketone	0.133	0.124		mg/Kg		93	60 - 150
Endrin ketone	0.133	0.132		mg/Kg		99	60 - 150
gamma-BHC (Lindane)	0.133	0.131		mg/Kg		99	70 - 134
gamma-BHC (Lindane)	0.133	0.138		mg/Kg		103	70 - 134
Heptachlor	0.133	0.127		mg/Kg		96	69 - 134
Heptachlor	0.133	0.136		mg/Kg		102	69 - 134
Heptachlor epoxide	0.133	0.128		mg/Kg		96	70 - 135
Heptachlor epoxide	0.133	0.135		mg/Kg		101	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-778281/2-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778281

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor			0.133	0.119		mg/Kg		89	57 - 135		
Methoxychlor			0.133	0.133		mg/Kg		100	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*89*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Lab Sample ID: LCSD 460-778281/3-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778281

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.142		mg/Kg		107	70 - 140	5	30
4,4'-DDD			0.133	0.149		mg/Kg		112	70 - 140	0	30
4,4'-DDE			0.133	0.139		mg/Kg		104	71 - 137	5	30
4,4'-DDE			0.133	0.144		mg/Kg		108	71 - 137	0	30
4,4'-DDT			0.133	0.130		mg/Kg		98	63 - 131	5	30
4,4'-DDT			0.133	0.141		mg/Kg		105	63 - 131	0	30
Aldrin			0.133	0.132		mg/Kg		99	74 - 140	4	30
Aldrin			0.133	0.135		mg/Kg		101	74 - 140	1	30
alpha-BHC			0.133	0.135		mg/Kg		101	72 - 142	4	30
alpha-BHC			0.133	0.135		mg/Kg		101	72 - 142	0	30
beta-BHC			0.133	0.144		mg/Kg		108	65 - 137	4	30
beta-BHC			0.133	0.140		mg/Kg		105	65 - 137	0	30
delta-BHC			0.133	0.138		mg/Kg		104	70 - 143	4	30
delta-BHC			0.133	0.136		mg/Kg		102	70 - 143	1	30
Dieldrin			0.133	0.136		mg/Kg		102	70 - 135	5	30
Dieldrin			0.133	0.141		mg/Kg		106	70 - 135	1	30
Endosulfan I			0.133	0.133		mg/Kg		99	68 - 135	4	30
Endosulfan I			0.133	0.137		mg/Kg		103	68 - 135	0	30
Endosulfan II			0.133	0.141		mg/Kg		106	64 - 130	5	30
Endosulfan II			0.133	0.148		mg/Kg		111	64 - 130	1	30
Endosulfan sulfate			0.133	0.140		mg/Kg		105	66 - 143	5	30
Endosulfan sulfate			0.133	0.146		mg/Kg		110	66 - 143	0	30
Endrin			0.133	0.137		mg/Kg		102	68 - 136	5	30
Endrin			0.133	0.139		mg/Kg		105	68 - 136	0	30
Endrin aldehyde			0.133	0.132		mg/Kg		99	68 - 132	5	30
Endrin aldehyde			0.133	0.133		mg/Kg		100	68 - 132	0	30
Endrin ketone			0.133	0.131		mg/Kg		98	60 - 150	5	30
Endrin ketone			0.133	0.130		mg/Kg		98	60 - 150	1	30
gamma-BHC (Lindane)			0.133	0.137		mg/Kg		103	70 - 134	4	30
gamma-BHC (Lindane)			0.133	0.137		mg/Kg		103	70 - 134	0	30
Heptachlor			0.133	0.133		mg/Kg		100	69 - 134	4	30
Heptachlor			0.133	0.135		mg/Kg		101	69 - 134	1	30
Heptachlor epoxide			0.133	0.134		mg/Kg		100	70 - 135	4	30
Heptachlor epoxide			0.133	0.135		mg/Kg		101	70 - 135	0	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-778281/3-A
Matrix: Solid
Analysis Batch: 778345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778281

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor			0.133	0.127		mg/Kg		95	57 - 135	6	30
Methoxychlor			0.133	0.133		mg/Kg		99	57 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*89*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Lab Sample ID: MB 460-778417/1-A
Matrix: Solid
Analysis Batch: 778561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/17/21 10:16	05/18/21 03:21	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/17/21 10:16	05/18/21 03:21	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:21	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:21	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/17/21 10:16	05/18/21 03:21	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/17/21 10:16	05/18/21 03:21	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/17/21 10:16	05/18/21 03:21	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/17/21 10:16	05/18/21 03:21	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/17/21 10:16	05/18/21 03:21	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/17/21 10:16	05/18/21 03:21	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:21	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/17/21 10:16	05/18/21 03:21	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/17/21 10:16	05/18/21 03:21	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/17/21 10:16	05/18/21 03:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:21*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:21*	*1*
Tetrachloro-m-xylene	*82*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:21*	*1*
Tetrachloro-m-xylene	*83*		*10 - 150*	*05/17/21 10:16*	*05/18/21 03:21*	*1*

Lab Sample ID: LCS 460-778417/2-A
Matrix: Solid
Analysis Batch: 778561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000694		mg/L		87	64 - 130		
cis-Chlordane			0.000800	0.000764		mg/L		96	64 - 130		
trans-Chlordane			0.000800	0.000699		mg/L		87	65 - 132		
trans-Chlordane			0.000800	0.000769		mg/L		96	65 - 132		
Endrin			0.000800	0.000721		mg/L		90	67 - 132		
Endrin			0.000800	0.000809		mg/L		101	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000746		mg/L		93	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000775		mg/L		97	65 - 134		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-778417/2-A
Matrix: Solid
Analysis Batch: 778561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.000800	0.000739		mg/L		92	63 - 128		
Heptachlor			0.000800	0.000797		mg/L		100	63 - 128		
Heptachlor epoxide			0.000800	0.000699		mg/L		87	66 - 128		
Heptachlor epoxide			0.000800	0.000766		mg/L		96	66 - 128		
Methoxychlor			0.000800	0.000698		mg/L		87	42 - 151		
Methoxychlor			0.000800	0.000791		mg/L		99	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*10 - 150*
DCB Decachlorobiphenyl	*84*		*10 - 150*
Tetrachloro-m-xylene	*79*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 150*

Lab Sample ID: LCSD 460-778417/3-A
Matrix: Solid
Analysis Batch: 778561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778417

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000710		mg/L		89	64 - 130	2	30
cis-Chlordane			0.000800	0.000787		mg/L		98	64 - 130	3	30
trans-Chlordane			0.000800	0.000714		mg/L		89	65 - 132	2	30
trans-Chlordane			0.000800	0.000798		mg/L		100	65 - 132	4	30
Endrin			0.000800	0.000744		mg/L		93	67 - 132	3	30
Endrin			0.000800	0.000827		mg/L		103	67 - 132	2	30
gamma-BHC (Lindane)			0.000800	0.000757		mg/L		95	65 - 134	1	30
gamma-BHC (Lindane)			0.000800	0.000810		mg/L		101	65 - 134	4	30
Heptachlor			0.000800	0.000750		mg/L		94	63 - 128	1	30
Heptachlor			0.000800	0.000822		mg/L		103	63 - 128	3	30
Heptachlor epoxide			0.000800	0.000712		mg/L		89	66 - 128	2	30
Heptachlor epoxide			0.000800	0.000791		mg/L		99	66 - 128	3	30
Methoxychlor			0.000800	0.000718		mg/L		90	42 - 151	3	30
Methoxychlor			0.000800	0.000811		mg/L		101	42 - 151	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*

Lab Sample ID: LB 460-777574/1-E
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777718

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/13/21 10:57	05/14/21 06:25	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 06:25	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/13/21 10:57	05/14/21 06:25	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/13/21 10:57	05/14/21 06:25	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-777574/1-E
Matrix: Solid
Analysis Batch: 777651

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777718

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/13/21 10:57	05/14/21 06:25	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/13/21 10:57	05/14/21 06:25	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/13/21 10:57	05/14/21 06:25	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*10 - 150*	*05/13/21 10:57*	*05/14/21 06:25*	*1*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*05/13/21 10:57*	*05/14/21 06:25*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*05/13/21 10:57*	*05/14/21 06:25*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*05/13/21 10:57*	*05/14/21 06:25*	*1*

Lab Sample ID: LB 460-777826/1-C
Matrix: Solid
Analysis Batch: 778300

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777969

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/14/21 10:39	05/16/21 18:14	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 18:14	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/14/21 10:39	05/16/21 18:14	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/14/21 10:39	05/16/21 18:14	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/14/21 10:39	05/16/21 18:14	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/14/21 10:39	05/16/21 18:14	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/14/21 10:39	05/16/21 18:14	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*05/14/21 10:39*	*05/16/21 18:14*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*05/14/21 10:39*	*05/16/21 18:14*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*05/14/21 10:39*	*05/16/21 18:14*	*1*
Tetrachloro-m-xylene	*63*		*10 - 150*	*05/14/21 10:39*	*05/16/21 18:14*	*1*

Lab Sample ID: LB 460-778046/1-D
Matrix: Solid
Analysis Batch: 778297

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778168

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/15/21 13:34	05/16/21 21:56	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 21:56	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/15/21 13:34	05/16/21 21:56	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/15/21 13:34	05/16/21 21:56	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/15/21 13:34	05/16/21 21:56	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/15/21 13:34	05/16/21 21:56	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/15/21 13:34	05/16/21 21:56	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*05/15/21 13:34*	*05/16/21 21:56*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*05/15/21 13:34*	*05/16/21 21:56*	*1*
Tetrachloro-m-xylene	*92*		*10 - 150*	*05/15/21 13:34*	*05/16/21 21:56*	*1*
Tetrachloro-m-xylene	*95*		*10 - 150*	*05/15/21 13:34*	*05/16/21 21:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-778215/1-G
Matrix: Solid
Analysis Batch: 778352

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778275

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/16/21 12:16	05/17/21 05:41	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:41	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/16/21 12:16	05/17/21 05:41	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/16/21 12:16	05/17/21 05:41	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/16/21 12:16	05/17/21 05:41	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/16/21 12:16	05/17/21 05:41	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/16/21 12:16	05/17/21 05:41	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:41*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:41*	*1*
Tetrachloro-m-xylene	*104*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:41*	*1*
Tetrachloro-m-xylene	*96*		*10 - 150*	*05/16/21 12:16*	*05/17/21 05:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-777283/1-A
Matrix: Solid
Analysis Batch: 777355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/11/21 18:07	05/12/21 07:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*05/11/21 18:07*	*05/12/21 07:06*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 150*	*05/11/21 18:07*	*05/12/21 07:06*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*05/11/21 18:07*	*05/12/21 07:06*	*1*
Tetrachloro-m-xylene	*107*		*54 - 150*	*05/11/21 18:07*	*05/12/21 07:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-777283/2-A
Matrix: Solid
Analysis Batch: 777355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.340		mg/Kg		102	65 - 133		
Aroclor 1016			0.333	0.348		mg/Kg		105	65 - 133		
Aroclor 1260			0.333	0.360		mg/Kg		108	71 - 150		
Aroclor 1260			0.333	0.361		mg/Kg		108	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*37 - 150*
DCB Decachlorobiphenyl	*93*		*37 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*
Tetrachloro-m-xylene	*97*		*54 - 150*

Lab Sample ID: LCSD 460-777283/3-A
Matrix: Solid
Analysis Batch: 777355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777283

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.364		mg/Kg		109	65 - 133	7	30
Aroclor 1016			0.333	0.367		mg/Kg		110	65 - 133	5	30
Aroclor 1260			0.333	0.391		mg/Kg		117	71 - 150	8	30
Aroclor 1260			0.333	0.380		mg/Kg		114	71 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*37 - 150*
DCB Decachlorobiphenyl	*98*		*37 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*
Tetrachloro-m-xylene	*97*		*54 - 150*

Lab Sample ID: MB 460-777819/1-A
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-777819/1-A
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/13/21 19:02	05/14/21 07:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*		*37 - 150*	*05/13/21 19:02*	*05/14/21 07:35*	*1*
DCB Decachlorobiphenyl	*140*		*37 - 150*	*05/13/21 19:02*	*05/14/21 07:35*	*1*
Tetrachloro-m-xylene	*107*		*54 - 150*	*05/13/21 19:02*	*05/14/21 07:35*	*1*
Tetrachloro-m-xylene	*89*		*54 - 150*	*05/13/21 19:02*	*05/14/21 07:35*	*1*

Lab Sample ID: LCS 460-777819/2-A
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777819

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.313		mg/Kg		94	65 - 133		
Aroclor 1016			0.333	0.288		mg/Kg		87	65 - 133		
Aroclor 1260			0.333	0.325		mg/Kg		98	71 - 150		
Aroclor 1260			0.333	0.307		mg/Kg		92	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*37 - 150*
DCB Decachlorobiphenyl	*85*		*37 - 150*
Tetrachloro-m-xylene	*66*		*54 - 150*
Tetrachloro-m-xylene	*79*		*54 - 150*

Lab Sample ID: LCSD 460-777819/3-A
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.298		mg/Kg		89	65 - 133	5	30
Aroclor 1016			0.333	0.282		mg/Kg		85	65 - 133	2	30
Aroclor 1260			0.333	0.303		mg/Kg		91	71 - 150	7	30
Aroclor 1260			0.333	0.299		mg/Kg		90	71 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*37 - 150*
DCB Decachlorobiphenyl	*81*		*37 - 150*
Tetrachloro-m-xylene	*82*		*54 - 150*
Tetrachloro-m-xylene	*77*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-234220-G-1-B MS
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.080	U	0.396	0.448		mg/Kg	☼	113	65 - 133
Aroclor 1016	0.080	U	0.396	0.420		mg/Kg	☼	106	65 - 133
Aroclor 1260	0.080	U	0.396	0.456		mg/Kg	☼	115	71 - 150
Aroclor 1260	0.080	U	0.396	0.462		mg/Kg	☼	117	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*104*		*37 - 150*
DCB Decachlorobiphenyl	*106*		*37 - 150*
Tetrachloro-m-xylene	*76*		*54 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*

Lab Sample ID: 460-234220-G-1-C MSD
Matrix: Solid
Analysis Batch: 777890

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.080	U	0.396	0.470		mg/Kg	☼	119	65 - 133	5	30
Aroclor 1016	0.080	U	0.396	0.439		mg/Kg	☼	111	65 - 133	4	30
Aroclor 1260	0.080	U	0.396	0.486		mg/Kg	☼	123	71 - 150	6	30
Aroclor 1260	0.080	U	0.396	0.493		mg/Kg	☼	124	71 - 150	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*37 - 150*
DCB Decachlorobiphenyl	*110*		*37 - 150*
Tetrachloro-m-xylene	*82*		*54 - 150*
Tetrachloro-m-xylene	*106*		*54 - 150*

Lab Sample ID: MB 460-778175/1-A
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-778175/1-A
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/15/21 14:27	05/16/21 16:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*37 - 150*	*05/15/21 14:27*	*05/16/21 16:18*	*1*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/15/21 14:27*	*05/16/21 16:18*	*1*
Tetrachloro-m-xylene	*65*		*54 - 150*	*05/15/21 14:27*	*05/16/21 16:18*	*1*
Tetrachloro-m-xylene	*99*		*54 - 150*	*05/15/21 14:27*	*05/16/21 16:18*	*1*

Lab Sample ID: LCS 460-778175/2-A
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778175

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.370		mg/Kg		111	65 - 133		
Aroclor 1016			0.333	0.351		mg/Kg		105	65 - 133		
Aroclor 1260			0.333	0.395		mg/Kg		118	71 - 150		
Aroclor 1260			0.333	0.400		mg/Kg		120	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*37 - 150*
DCB Decachlorobiphenyl	*98*		*37 - 150*
Tetrachloro-m-xylene	*72*		*54 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*

Lab Sample ID: LCSD 460-778175/3-A
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778175

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.377		mg/Kg		113	65 - 133	2	30
Aroclor 1016			0.333	0.369		mg/Kg		111	65 - 133	5	30
Aroclor 1260			0.333	0.406		mg/Kg		122	71 - 150	3	30
Aroclor 1260			0.333	0.413		mg/Kg		124	71 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*37 - 150*
DCB Decachlorobiphenyl	*104*		*37 - 150*
Tetrachloro-m-xylene	*77*		*54 - 150*
Tetrachloro-m-xylene	*101*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-234318-H-8-A MS
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.085	U	0.420	0.569	*	mg/Kg	☼	135	65 - 133
Aroclor 1016	0.085	U	0.420	0.555		mg/Kg	☼	132	65 - 133
Aroclor 1260	0.085	U	0.420	0.633		mg/Kg	☼	150	71 - 150
Aroclor 1260	0.085	U	0.420	0.576		mg/Kg	☼	137	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*37 - 150*
DCB Decachlorobiphenyl	*112*		*37 - 150*
Tetrachloro-m-xylene	*89*		*54 - 150*
Tetrachloro-m-xylene	*109*		*54 - 150*

Lab Sample ID: 460-234318-H-8-B MSD
Matrix: Solid
Analysis Batch: 778293

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.085	U	0.420	0.485		mg/Kg	☼	115	65 - 133	16	30
Aroclor 1016	0.085	U	0.420	0.407	*	mg/Kg	☼	97	65 - 133	31	30
Aroclor 1260	0.085	U	0.420	0.504		mg/Kg	☼	120	71 - 150	23	30
Aroclor 1260	0.085	U	0.420	0.463		mg/Kg	☼	110	71 - 150	22	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*37 - 150*
DCB Decachlorobiphenyl	*89*		*37 - 150*
Tetrachloro-m-xylene	*68*		*54 - 150*
Tetrachloro-m-xylene	*83*		*54 - 150*

Lab Sample ID: MB 460-778280/1-A
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-778280/1-A
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/16/21 13:30	05/17/21 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*05/16/21 13:30*	*05/17/21 10:02*	*1*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*05/16/21 13:30*	*05/17/21 10:02*	*1*
Tetrachloro-m-xylene	*90*		*54 - 150*	*05/16/21 13:30*	*05/17/21 10:02*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*05/16/21 13:30*	*05/17/21 10:02*	*1*

Lab Sample ID: LCS 460-778280/2-A
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778280

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.349		mg/Kg		105	65 - 133		
Aroclor 1016			0.333	0.313		mg/Kg		94	65 - 133		
Aroclor 1260			0.333	0.397		mg/Kg		119	71 - 150		
Aroclor 1260			0.333	0.319		mg/Kg		96	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*37 - 150*
DCB Decachlorobiphenyl	*87*		*37 - 150*
Tetrachloro-m-xylene	*86*		*54 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*

Lab Sample ID: LCSD 460-778280/3-A
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778280

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.350		mg/Kg		105	65 - 133	0	30
Aroclor 1016			0.333	0.302		mg/Kg		90	65 - 133	4	30
Aroclor 1260			0.333	0.387		mg/Kg		116	71 - 150	3	30
Aroclor 1260			0.333	0.294		mg/Kg		88	71 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*37 - 150*
DCB Decachlorobiphenyl	*85*		*37 - 150*
Tetrachloro-m-xylene	*84*		*54 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-234456-C-1-A MS
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.073	U	0.365	0.340		mg/Kg	☼	93	65 - 133
Aroclor 1016	0.073	U	0.365	0.286		mg/Kg	☼	78	65 - 133
Aroclor 1260	0.073	U	0.365	0.371		mg/Kg	☼	102	71 - 150
Aroclor 1260	0.073	U	0.365	0.298		mg/Kg	☼	82	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*37 - 150*
DCB Decachlorobiphenyl	*62*		*37 - 150*
Tetrachloro-m-xylene	*66*		*54 - 150*
Tetrachloro-m-xylene	*72*		*54 - 150*

Lab Sample ID: 460-234456-C-1-B MSD
Matrix: Solid
Analysis Batch: 778394

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.073	U	0.365	0.325		mg/Kg	☼	89	65 - 133	4	30
Aroclor 1016	0.073	U	0.365	0.260		mg/Kg	☼	71	65 - 133	10	30
Aroclor 1260	0.073	U	0.365	0.349		mg/Kg	☼	96	71 - 150	6	30
Aroclor 1260	0.073	U	0.365	0.274		mg/Kg	☼	75	71 - 150	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*37 - 150*
DCB Decachlorobiphenyl	*57*		*37 - 150*
Tetrachloro-m-xylene	*63*		*54 - 150*
Tetrachloro-m-xylene	*63*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-777319/1-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/11/21 22:14	05/12/21 11:02	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/11/21 22:14	05/12/21 11:02	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/11/21 22:14	05/12/21 11:02	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/11/21 22:14	05/12/21 11:02	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/11/21 22:14	05/12/21 11:02	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/11/21 22:14	05/12/21 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*	*05/11/21 22:14*	*05/12/21 11:02*	*1*
2,4-Dichlorophenylacetic acid	*101*		*65 - 150*	*05/11/21 22:14*	*05/12/21 11:02*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-777319/2-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777319

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0834		mg/Kg		100	59 - 150		
2,4,5-T			0.0833	0.0997		mg/Kg		120	59 - 150		
2,4-D			0.333	0.352		mg/Kg		106	50 - 130		
2,4-D			0.333	0.361		mg/Kg		108	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0881		mg/Kg		106	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0998		mg/Kg		120	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*

Lab Sample ID: LCSD 460-777319/3-A
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777319

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0798		mg/Kg		96	59 - 150	4	30
2,4,5-T			0.0833	0.0954		mg/Kg		114	59 - 150	4	30
2,4-D			0.333	0.334		mg/Kg		100	50 - 130	5	30
2,4-D			0.333	0.345		mg/Kg		103	50 - 130	5	30
Silvex (2,4,5-TP)			0.0833	0.0839		mg/Kg		101	58 - 150	5	30
Silvex (2,4,5-TP)			0.0833	0.0972		mg/Kg		117	58 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*

Lab Sample ID: 460-234049-1 MS
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: WC-9 (0-5)
Prep Type: Total/NA
Prep Batch: 777319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	0.038	U	0.0957	0.0969		mg/Kg	☼	101	59 - 150		
2,4,5-T	0.038	U	0.0957	0.119		mg/Kg	☼	124	59 - 150		
2,4-D	0.038	U	0.383	0.376		mg/Kg	☼	98	50 - 130		
2,4-D	0.038	U	0.383	0.409		mg/Kg	☼	107	50 - 130		
Silvex (2,4,5-TP)	0.038	U	0.0957	0.100		mg/Kg	☼	105	58 - 150		
Silvex (2,4,5-TP)	0.038	U	0.0957	0.112		mg/Kg	☼	117	58 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*
2,4-Dichlorophenylacetic acid	*115*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-234049-1 MSD
Matrix: Solid
Analysis Batch: 777449

Client Sample ID: WC-9 (0-5)
Prep Type: Total/NA
Prep Batch: 777319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.038	U	0.0957	0.0991		mg/Kg	☼	104	59 - 150	2	30
2,4,5-T	0.038	U	0.0957	0.125		mg/Kg	☼	130	59 - 150	5	30
2,4-D	0.038	U	0.383	0.384		mg/Kg	☼	100	50 - 130	2	30
2,4-D	0.038	U	0.383	0.422		mg/Kg	☼	110	50 - 130	3	30
Silvex (2,4,5-TP)	0.038	U	0.0957	0.102		mg/Kg	☼	107	58 - 150	2	30
Silvex (2,4,5-TP)	0.038	U	0.0957	0.112		mg/Kg	☼	117	58 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*104*		*65 - 150*
2,4-Dichlorophenylacetic acid	*116*		*65 - 150*

Lab Sample ID: MB 460-777853/1-A
Matrix: Solid
Analysis Batch: 777947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777853

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.12	U	0.12	0.0070	mg/L		05/13/21 23:50	05/14/21 11:26	1
2,4-D	0.12	U	0.12	0.0070	mg/L		05/13/21 23:50	05/14/21 11:26	1
Silvex (2,4,5-TP)	0.12	U	0.12	0.0056	mg/L		05/13/21 23:50	05/14/21 11:26	1
Silvex (2,4,5-TP)	0.12	U	0.12	0.0056	mg/L		05/13/21 23:50	05/14/21 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*143*		*28 - 150*	*05/13/21 23:50*	*05/14/21 11:26*	*1*
2,4-Dichlorophenylacetic acid	*142*		*28 - 150*	*05/13/21 23:50*	*05/14/21 11:26*	*1*

Lab Sample ID: LCS 460-777853/2-A
Matrix: Solid
Analysis Batch: 777947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777853

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.123	*	mg/L		185	36 - 139		
2,4-D			0.0667	0.115	J *	mg/L		172	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0290	J *	mg/L		174	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0334	J *	mg/L		200	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*145*		*28 - 150*
2,4-Dichlorophenylacetic acid	*149*		*28 - 150*

Lab Sample ID: LCSD 460-777853/3-A
Matrix: Solid
Analysis Batch: 777947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777853

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.130	*	mg/L		195	36 - 139	5	30
2,4-D			0.0667	0.125	*	mg/L		187	36 - 139	8	30
Silvex (2,4,5-TP)			0.0167	0.0306	J *	mg/L		184	42 - 150	6	30
Silvex (2,4,5-TP)			0.0167	0.0360	J *	mg/L		216	42 - 150	8	30

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	150		28 - 150
2,4-Dichlorophenylacetic acid	155	*	28 - 150

Lab Sample ID: MB 460-778085/1-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/14/21 20:49	05/17/21 10:08	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/14/21 20:49	05/17/21 10:08	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/14/21 20:49	05/17/21 10:08	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/14/21 20:49	05/17/21 10:08	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/14/21 20:49	05/17/21 10:08	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/14/21 20:49	05/17/21 10:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		65 - 150	05/14/21 20:49	05/17/21 10:08	1
2,4-Dichlorophenylacetic acid	85		65 - 150	05/14/21 20:49	05/17/21 10:08	1

Lab Sample ID: LCS 460-778085/2-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0684		mg/Kg		82	59 - 150
2,4,5-T	0.0833	0.0690		mg/Kg		83	59 - 150
2,4-D	0.333	0.252		mg/Kg		76	50 - 130
2,4-D	0.333	0.267		mg/Kg		80	50 - 130
Silvex (2,4,5-TP)	0.0833	0.0745		mg/Kg		89	58 - 150
Silvex (2,4,5-TP)	0.0833	0.0685		mg/Kg		82	58 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	99		65 - 150
2,4-Dichlorophenylacetic acid	93		65 - 150

Lab Sample ID: LCSD 460-778085/3-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.0833	0.0645		mg/Kg		77	59 - 150	6	30
2,4,5-T	0.0833	0.0698		mg/Kg		84	59 - 150	1	30
2,4-D	0.333	0.251		mg/Kg		75	50 - 130	1	30
2,4-D	0.333	0.264		mg/Kg		79	50 - 130	1	30
Silvex (2,4,5-TP)	0.0833	0.0747		mg/Kg		90	58 - 150	0	30
Silvex (2,4,5-TP)	0.0833	0.0673		mg/Kg		81	58 - 150	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	98		65 - 150
2,4-Dichlorophenylacetic acid	95		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-234139-4 MS
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: WC-18 (0-5)
Prep Type: Total/NA
Prep Batch: 778085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.037	U	0.0934	0.0834		mg/Kg	☼	89	59 - 150
2,4,5-T	0.037	U	0.0934	0.0881		mg/Kg	☼	94	59 - 150
2,4-D	0.037	U	0.374	0.306		mg/Kg	☼	82	50 - 130
2,4-D	0.037	U	0.374	0.338		mg/Kg	☼	90	50 - 130
Silvex (2,4,5-TP)	0.037	U	0.0934	0.0898		mg/Kg	☼	96	58 - 150
Silvex (2,4,5-TP)	0.037	U	0.0934	0.0833		mg/Kg	☼	89	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*99*		*65 - 150*
2,4-Dichlorophenylacetic acid	*96*		*65 - 150*

Lab Sample ID: 460-234139-4 MSD
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: WC-18 (0-5)
Prep Type: Total/NA
Prep Batch: 778085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.037	U	0.0934	0.0865		mg/Kg	☼	93	59 - 150	4	30
2,4,5-T	0.037	U	0.0934	0.0897		mg/Kg	☼	96	59 - 150	2	30
2,4-D	0.037	U	0.374	0.310		mg/Kg	☼	83	50 - 130	2	30
2,4-D	0.037	U	0.374	0.340		mg/Kg	☼	91	50 - 130	1	30
Silvex (2,4,5-TP)	0.037	U	0.0934	0.0902		mg/Kg	☼	97	58 - 150	0	30
Silvex (2,4,5-TP)	0.037	U	0.0934	0.0835		mg/Kg	☼	89	58 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*
2,4-Dichlorophenylacetic acid	*98*		*65 - 150*

Lab Sample ID: MB 460-778107/1-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/14/21 23:57	05/17/21 11:37	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/14/21 23:57	05/17/21 11:37	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/14/21 23:57	05/17/21 11:37	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/14/21 23:57	05/17/21 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*05/14/21 23:57*	*05/17/21 11:37*	*1*
2,4-Dichlorophenylacetic acid	*76*		*28 - 150*	*05/14/21 23:57*	*05/17/21 11:37*	*1*

Lab Sample ID: LCS 460-778107/2-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0672	J	mg/L		101	36 - 139
2,4-D	0.0667	0.0674	J	mg/L		101	36 - 139

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-778107/2-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778107

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.0167	0.0187	J	mg/L		112	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0149	J	mg/L		90	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*
2,4-Dichlorophenylacetic acid	*78*		*28 - 150*

Lab Sample ID: LCSD 460-778107/3-A
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778107

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0708	J	mg/L		106	36 - 139	5	30
2,4-D			0.0667	0.0716	J	mg/L		107	36 - 139	6	30
Silvex (2,4,5-TP)			0.0167	0.0187	J	mg/L		112	42 - 150	0	30
Silvex (2,4,5-TP)			0.0167	0.0163	J	mg/L		98	42 - 150	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*81*		*28 - 150*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*

Lab Sample ID: MB 460-778341/1-A
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 10:02	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 10:02	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 10:02	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*05/16/21 22:30*	*05/18/21 10:02*	*1*
2,4-Dichlorophenylacetic acid	*74*		*28 - 150*	*05/16/21 22:30*	*05/18/21 10:02*	*1*

Lab Sample ID: LCS 460-778341/2-A
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778341

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0698	J	mg/L		105	36 - 139		
2,4-D			0.0667	0.0666	J	mg/L		100	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0190	J	mg/L		114	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0156	J	mg/L		93	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-778341/2-A
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778341

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	77		28 - 150

Lab Sample ID: LCSD 460-778341/3-A
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778341

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0747	J	mg/L		112	36 - 139	12	30
2,4-D			0.0667	0.0750	J	mg/L		112	36 - 139	7	30
Silvex (2,4,5-TP)			0.0167	0.0202	J	mg/L		121	42 - 150	26	30
Silvex (2,4,5-TP)			0.0167	0.0224	J	mg/L		134	42 - 150	17	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	84		28 - 150
2,4-Dichlorophenylacetic acid	82		28 - 150

Lab Sample ID: MB 460-778342/1-A
Matrix: Solid
Analysis Batch: 778647

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/16/21 22:34	05/18/21 09:54	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/16/21 22:34	05/18/21 09:54	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/16/21 22:34	05/18/21 09:54	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/16/21 22:34	05/18/21 09:54	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/16/21 22:34	05/18/21 09:54	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/16/21 22:34	05/18/21 09:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	113		65 - 150	05/16/21 22:34	05/18/21 09:54	1
2,4-Dichlorophenylacetic acid	105		65 - 150	05/16/21 22:34	05/18/21 09:54	1

Lab Sample ID: LCS 460-778342/2-A
Matrix: Solid
Analysis Batch: 778647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778342

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T			0.0833	0.0969		mg/Kg		116	59 - 150
2,4,5-T			0.0833	0.0961		mg/Kg		115	59 - 150
2,4-D			0.333	0.393		mg/Kg		118	50 - 130
2,4-D			0.333	0.382		mg/Kg		115	50 - 130
Silvex (2,4,5-TP)			0.0833	0.0961		mg/Kg		115	58 - 150
Silvex (2,4,5-TP)			0.0833	0.101		mg/Kg		122	58 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	119		65 - 150
2,4-Dichlorophenylacetic acid	116		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-778342/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778647
Prep Batch: 778342

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0938		mg/Kg		113	59 - 150	2	30
2,4,5-T			0.0833	0.0972		mg/Kg		117	59 - 150	0	30
2,4-D			0.333	0.384		mg/Kg		115	50 - 130	2	30
2,4-D			0.333	0.383		mg/Kg		115	50 - 130	0	30
Silvex (2,4,5-TP)			0.0833	0.0937		mg/Kg		112	58 - 150	2	30
Silvex (2,4,5-TP)			0.0833	0.103		mg/Kg		123	58 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*

Lab Sample ID: 460-234319-C-1-C MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778647
Prep Batch: 778342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.038	U	0.0940	0.103		mg/Kg	☼	109	59 - 150
2,4,5-T	0.038	U	0.0940	0.109		mg/Kg	☼	116	59 - 150
2,4-D	0.038	U	0.376	0.412		mg/Kg	☼	109	50 - 130
2,4-D	0.038	U	0.376	0.417		mg/Kg	☼	111	50 - 130
Silvex (2,4,5-TP)	0.038	U	0.0940	0.104		mg/Kg	☼	110	58 - 150
Silvex (2,4,5-TP)	0.038	U	0.0940	0.115		mg/Kg	☼	123	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*109*		*65 - 150*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*

Lab Sample ID: 460-234319-C-1-D MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778647
Prep Batch: 778342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.038	U	0.0940	0.106		mg/Kg	☼	113	59 - 150	4	30
2,4,5-T	0.038	U	0.0940	0.114		mg/Kg	☼	121	59 - 150	4	30
2,4-D	0.038	U	0.376	0.440		mg/Kg	☼	117	50 - 130	5	30
2,4-D	0.038	U	0.376	0.437		mg/Kg	☼	116	50 - 130	6	30
Silvex (2,4,5-TP)	0.038	U	0.0940	0.107		mg/Kg	☼	114	58 - 150	3	30
Silvex (2,4,5-TP)	0.038	U	0.0940	0.119		mg/Kg	☼	126	58 - 150	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*
2,4-Dichlorophenylacetic acid	*121*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-778557/1-A
Matrix: Solid
Analysis Batch: 778702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/17/21 22:55	05/18/21 15:48	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/17/21 22:55	05/18/21 15:48	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/17/21 22:55	05/18/21 15:48	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/17/21 22:55	05/18/21 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*97*		*28 - 150*	*05/17/21 22:55*	*05/18/21 15:48*	*1*
2,4-Dichlorophenylacetic acid	*102*		*28 - 150*	*05/17/21 22:55*	*05/18/21 15:48*	*1*

Lab Sample ID: LCS 460-778557/2-A
Matrix: Solid
Analysis Batch: 778702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0861		mg/L		129	36 - 139
2,4-D	0.0667	0.0926		mg/L		139	36 - 139
Silvex (2,4,5-TP)	0.0167	0.0193	J	mg/L		116	42 - 150
Silvex (2,4,5-TP)	0.0167	0.0245	J	mg/L		147	42 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*
2,4-Dichlorophenylacetic acid	*116*		*28 - 150*

Lab Sample ID: LCSD 460-778557/3-A
Matrix: Solid
Analysis Batch: 778702

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778557

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0667	0.0899		mg/L		135	36 - 139	4	30
2,4-D	0.0667	0.0932	*	mg/L		140	36 - 139	1	30
Silvex (2,4,5-TP)	0.0167	0.0193	J	mg/L		116	42 - 150	0	30
Silvex (2,4,5-TP)	0.0167	0.0247	J	mg/L		148	42 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*109*		*28 - 150*
2,4-Dichlorophenylacetic acid	*118*		*28 - 150*

Lab Sample ID: LB 460-777574/1-H
Matrix: Solid
Analysis Batch: 777947

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777853

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/13/21 23:50	05/14/21 12:47	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/13/21 23:50	05/14/21 12:47	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*28 - 150*	*05/13/21 23:50*	*05/14/21 12:47*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-777574/1-H
Matrix: Solid
Analysis Batch: 777947

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777853

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	102		28 - 150	05/13/21 23:50	05/14/21 12:47	1

Lab Sample ID: LB 460-777826/1-F
Matrix: Solid
Analysis Batch: 778407

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778107

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/15/21 02:00	05/17/21 12:21	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/15/21 02:00	05/17/21 12:21	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	55		28 - 150	05/15/21 02:00	05/17/21 12:21	1
2,4-Dichlorophenylacetic acid	57		28 - 150	05/15/21 02:00	05/17/21 12:21	1

Lab Sample ID: LB 460-778046/1-F
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778341

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 12:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 12:29	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		28 - 150	05/16/21 22:30	05/18/21 12:29	1
2,4-Dichlorophenylacetic acid	70		28 - 150	05/16/21 22:30	05/18/21 12:29	1

Lab Sample ID: LB 460-778215/1-D
Matrix: Solid
Analysis Batch: 778648

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778341

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/16/21 22:30	05/18/21 12:44	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/16/21 22:30	05/18/21 12:44	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 150	05/16/21 22:30	05/18/21 12:44	1
2,4-Dichlorophenylacetic acid	71		28 - 150	05/16/21 22:30	05/18/21 12:44	1

Lab Sample ID: LB 460-778334/1-G
Matrix: Solid
Analysis Batch: 778702

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778557

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/17/21 22:55	05/18/21 17:37	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/17/21 22:55	05/18/21 17:37	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-778334/1-G
Matrix: Solid
Analysis Batch: 778702

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778557

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	93		28 - 150	05/17/21 22:55	05/18/21 17:37	1
2,4-Dichlorophenylacetic acid	104		28 - 150	05/17/21 22:55	05/18/21 17:37	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-777456/1-A
Matrix: Solid
Analysis Batch: 777686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777456

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/12/21 11:01	05/13/21 10:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		40 - 140	05/12/21 11:01	05/13/21 10:15	1
1-Chlorooctadecane	63		40 - 140	05/12/21 11:01	05/13/21 10:15	1

Lab Sample ID: LCS 460-777456/2-A
Matrix: Solid
Analysis Batch: 777686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777456

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	120		mg/Kg		90	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	93		40 - 140
1-Chlorooctadecane	129		40 - 140

Lab Sample ID: LCSD 460-777456/3-A
Matrix: Solid
Analysis Batch: 777686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777456

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	139		mg/Kg		104	40 - 140	14	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	100		40 - 140
1-Chlorooctadecane	129		40 - 140

Lab Sample ID: MB 460-777711/1-A
Matrix: Solid
Analysis Batch: 777942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777711

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/13/21 10:24	05/14/21 10:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	104		40 - 140	05/13/21 10:24	05/14/21 10:16	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-777711/1-A
Matrix: Solid
Analysis Batch: 777942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777711

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	107		40 - 140	05/13/21 10:24	05/14/21 10:16	1

Lab Sample ID: LCS 460-777711/2-A
Matrix: Solid
Analysis Batch: 777942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	104		mg/Kg		78	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	93		40 - 140
1-Chlorooctadecane	152	*	40 - 140

Lab Sample ID: LCSD 460-777711/3-A
Matrix: Solid
Analysis Batch: 777942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	107		mg/Kg		80	40 - 140	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	95		40 - 140
1-Chlorooctadecane	155	*	40 - 140

Lab Sample ID: MB 460-777967/1-A
Matrix: Solid
Analysis Batch: 778147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777967

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/14/21 10:34	05/15/21 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	108		40 - 140	05/14/21 10:34	05/15/21 09:55	1
1-Chlorooctadecane	90		40 - 140	05/14/21 10:34	05/15/21 09:55	1

Lab Sample ID: LCS 460-777967/2-A
Matrix: Solid
Analysis Batch: 778147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777967

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	127		mg/Kg		95	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	103		40 - 140
1-Chlorooctadecane	124		40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCSD 460-777967/3-A
Matrix: Solid
Analysis Batch: 778147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777967

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	127		mg/Kg		96	40 - 140	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*103*		*40 - 140*
1-Chlorooctadecane	*124*		*40 - 140*

Lab Sample ID: MB 460-778277/1-A
Matrix: Solid
Analysis Batch: 778402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778277

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/16/21 13:22	05/17/21 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*40 - 140*	*05/16/21 13:22*	*05/17/21 10:19*	*1*
1-Chlorooctadecane	*140*		*40 - 140*	*05/16/21 13:22*	*05/17/21 10:19*	*1*

Lab Sample ID: LCS 460-778277/4-A
Matrix: Solid
Analysis Batch: 778402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778277

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	132		mg/Kg		99	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*103*		*40 - 140*
1-Chlorooctadecane	*202*	*	*40 - 140*

Lab Sample ID: LCSD 460-778277/5-A
Matrix: Solid
Analysis Batch: 778402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778277

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	135		mg/Kg		101	40 - 140	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*102*		*40 - 140*
1-Chlorooctadecane	*201*	*	*40 - 140*

Lab Sample ID: MB 460-778425/1-A
Matrix: Solid
Analysis Batch: 778618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778425

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/17/21 10:43	05/18/21 09:32	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-778425/1-A
Matrix: Solid
Analysis Batch: 778618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778425

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		40 - 140	05/17/21 10:43	05/18/21 09:32	1
1-Chlorooctadecane	101		40 - 140	05/17/21 10:43	05/18/21 09:32	1

Lab Sample ID: LCS 460-778425/2-A
Matrix: Solid
Analysis Batch: 778618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	126		mg/Kg		95	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	105		40 - 140
1-Chlorooctadecane	152	*	40 - 140

Lab Sample ID: LCSD 460-778425/3-A
Matrix: Solid
Analysis Batch: 778618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	133	126		mg/Kg		94	40 - 140	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	102		40 - 140
1-Chlorooctadecane	147	*	40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-777811/1-A
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/13/21 17:30	05/18/21 12:00	1
Barium	0.20	U	0.20	0.013	mg/L		05/13/21 17:30	05/18/21 12:00	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/13/21 17:30	05/18/21 12:00	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/13/21 17:30	05/18/21 12:00	1
Lead	0.010	U	0.010	0.0024	mg/L		05/13/21 17:30	05/18/21 12:00	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/13/21 17:30	05/18/21 12:00	1
Silver	0.010	U	0.010	0.0058	mg/L		05/13/21 17:30	05/18/21 12:00	1

Lab Sample ID: LCS 460-777811/2-A ^2
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	4.92		mg/L		98	80 - 120
Barium	10.0	10.29		mg/L		103	80 - 120
Cadmium	1.00	1.04		mg/L		104	80 - 120

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

Lab Sample ID: LCS 460-777811/2-A ^2
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	5.00	5.06		mg/L		101	80 - 120
Lead	5.00	5.20		mg/L		104	80 - 120
Selenium	1.00	0.998		mg/L		100	80 - 120
Silver	0.500	0.481		mg/L		96	80 - 120

Lab Sample ID: MB 460-778234/1-A
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/15/21 21:15	05/16/21 21:59	1
Barium	0.20	U	0.20	0.013	mg/L		05/15/21 21:15	05/16/21 21:59	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/15/21 21:15	05/16/21 21:59	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/15/21 21:15	05/16/21 21:59	1
Lead	0.010	U	0.010	0.0024	mg/L		05/15/21 21:15	05/16/21 21:59	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/15/21 21:15	05/16/21 21:59	1
Silver	0.010	U	0.010	0.0058	mg/L		05/15/21 21:15	05/16/21 21:59	1

Lab Sample ID: LCS 460-778234/2-A ^2
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.07		mg/L		101	80 - 120
Barium	10.0	10.56		mg/L		106	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.29		mg/L		106	80 - 120
Lead	5.00	5.30		mg/L		106	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.500	0.494		mg/L		99	80 - 120

Lab Sample ID: MB 460-778572/1-A
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/18/21 03:02	05/18/21 15:11	1
Barium	0.20	U	0.20	0.013	mg/L		05/18/21 03:02	05/18/21 15:11	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/18/21 03:02	05/18/21 15:11	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/18/21 03:02	05/18/21 15:11	1
Lead	0.010	U	0.010	0.0024	mg/L		05/18/21 03:02	05/18/21 15:11	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/18/21 03:02	05/18/21 15:11	1
Silver	0.010	U	0.010	0.0058	mg/L		05/18/21 03:02	05/18/21 15:11	1

Lab Sample ID: LCS 460-778572/2-A ^2
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.18		mg/L		104	80 - 120

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

Lab Sample ID: LCS 460-778572/2-A ^2
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	10.0	10.79		mg/L		108	80 - 120
Cadmium	1.00	1.09		mg/L		109	80 - 120
Chromium	5.00	5.55		mg/L		111	80 - 120
Lead	5.00	5.51		mg/L		110	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	0.500	0.506		mg/L		101	80 - 120

Lab Sample ID: LB 460-777574/1-F ^5
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777811

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/13/21 17:30	05/18/21 13:08	5
Barium	1.0	U	1.0	0.066	mg/L		05/13/21 17:30	05/18/21 13:08	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/13/21 17:30	05/18/21 13:08	5
Chromium	0.050	U	0.050	0.025	mg/L		05/13/21 17:30	05/18/21 13:08	5
Lead	0.050	U	0.050	0.012	mg/L		05/13/21 17:30	05/18/21 13:08	5
Selenium	0.10	U	0.10	0.029	mg/L		05/13/21 17:30	05/18/21 13:08	5
Silver	0.050	U	0.050	0.029	mg/L		05/13/21 17:30	05/18/21 13:08	5

Lab Sample ID: 460-234113-A-1-J MS
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 777811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.038	J	5.00	5.27		mg/L		105	75 - 125
Barium	1.6		10.0	12.08		mg/L		105	75 - 125
Cadmium	0.12		1.00	1.19		mg/L		107	75 - 125
Chromium	0.061		5.00	5.30		mg/L		105	75 - 125
Lead	1.2		5.00	6.39		mg/L		105	75 - 125
Selenium	0.10	U	1.00	1.08		mg/L		108	75 - 125
Silver	0.050	U	0.500	0.511		mg/L		102	75 - 125

Lab Sample ID: 460-234113-A-1-I DU
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 777811

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.038	J	0.0480	J	mg/L		22	20
Barium	1.6		1.64		mg/L		3	20
Cadmium	0.12		0.124		mg/L		2	20
Chromium	0.061		0.0657		mg/L		7	20
Lead	1.2		1.19		mg/L		3	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

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

Lab Sample ID: LB 460-777826/1-G ^5
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778234

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 22:57	5
Barium	1.0	U	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 22:57	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 22:57	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 22:57	5
Lead	0.050	U	0.050	0.012	mg/L		05/15/21 21:15	05/16/21 22:57	5
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 22:57	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 22:57	5

Lab Sample ID: LB 460-778046/1-E ^5
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778234

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/15/21 21:15	05/16/21 23:01	5
Barium	1.0	U	1.0	0.066	mg/L		05/15/21 21:15	05/16/21 23:01	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/15/21 21:15	05/16/21 23:01	5
Chromium	0.050	U	0.050	0.025	mg/L		05/15/21 21:15	05/16/21 23:01	5
Lead	0.050	U	0.050	0.012	mg/L		05/15/21 21:15	05/16/21 23:01	5
Selenium	0.10	U	0.10	0.029	mg/L		05/15/21 21:15	05/16/21 23:01	5
Silver	0.050	U	0.050	0.029	mg/L		05/15/21 21:15	05/16/21 23:01	5

Lab Sample ID: 460-234235-A-1-E MS
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 778234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.18		mg/L		104	75 - 125
Barium	0.32	J	10.0	10.59		mg/L		103	75 - 125
Cadmium	0.020	U	1.00	1.05		mg/L		105	75 - 125
Chromium	0.050	U	5.00	5.21		mg/L		104	75 - 125
Lead	0.050	U	5.00	5.06		mg/L		101	75 - 125
Selenium	0.10	U	1.00	1.07		mg/L		107	75 - 125
Silver	0.050	U	0.500	0.511		mg/L		102	75 - 125

Lab Sample ID: 460-234235-A-1-D DU
Matrix: Solid
Analysis Batch: 778307

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 778234

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.32	J	0.328	J	mg/L		2	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

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

Lab Sample ID: LB 460-778215/1-F ^5
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778572

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 16:38	5
Barium	1.0	U	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 16:38	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 16:38	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 16:38	5
Lead	0.050	U	0.050	0.012	mg/L		05/18/21 03:02	05/18/21 16:38	5
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 16:38	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 16:38	5

Lab Sample ID: LB 460-778334/1-H ^5
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778572

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/18/21 03:02	05/18/21 16:54	5
Barium	1.0	U	1.0	0.066	mg/L		05/18/21 03:02	05/18/21 16:54	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/18/21 03:02	05/18/21 16:54	5
Chromium	0.050	U	0.050	0.025	mg/L		05/18/21 03:02	05/18/21 16:54	5
Lead	0.050	U	0.050	0.012	mg/L		05/18/21 03:02	05/18/21 16:54	5
Selenium	0.10	U	0.10	0.029	mg/L		05/18/21 03:02	05/18/21 16:54	5
Silver	0.050	U	0.050	0.029	mg/L		05/18/21 03:02	05/18/21 16:54	5

Lab Sample ID: 460-234282-G-1-J MS
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 778572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.33		mg/L		107	75 - 125
Barium	0.57	J	10.0	11.15		mg/L		106	75 - 125
Cadmium	0.0027	J	1.00	1.09		mg/L		108	75 - 125
Chromium	0.050	U	5.00	5.58		mg/L		112	75 - 125
Lead	0.022	J	5.00	5.32		mg/L		106	75 - 125
Selenium	0.10	U	1.00	1.13		mg/L		113	75 - 125
Silver	0.050	U	0.500	0.525		mg/L		105	75 - 125

Lab Sample ID: 460-234282-G-1-I DU
Matrix: Solid
Analysis Batch: 778669

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 778572

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.57	J	0.587	J	mg/L		2	20
Cadmium	0.0027	J	0.00273	J	mg/L		0.5	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.022	J	0.0192	J	mg/L		14	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-778343/1-A
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Calcium	100	U	100	17.0	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Magnesium	100	U	100	10.2	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Potassium	100	U	100	11.2	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Sodium	100	U	100	15.6	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/17/21 02:34	05/17/21 13:09	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/17/21 02:34	05/17/21 13:09	1

Lab Sample ID: LCSSRM 460-778343/2-A ^5
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7206		mg/Kg		88.6	48.2 - 151.3
Antimony	134	90.25		mg/Kg		67.3	3.4 - 197.0
Arsenic	156	154.7		mg/Kg		99.2	82.7 - 117.3
Barium	239	230.1		mg/Kg		96.3	82.4 - 117.2
Beryllium	169	166.8		mg/Kg		98.7	83.4 - 117.2
Cadmium	137	142.8		mg/Kg		104.2	82.5 - 116.8
Calcium	4760	4732		mg/Kg		99.4	81.7 - 118.5
Chromium	154	156.8		mg/Kg		101.8	81.8 - 117.5
Cobalt	121	129.0		mg/Kg		106.6	83.5 - 116.5
Copper	54.9	54.47		mg/Kg		99.2	84.0 - 115.8
Iron	14100	12810		mg/Kg		90.9	60.1 - 139.7
Lead	130	123.8		mg/Kg		95.3	82.3 - 116.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-778343/2-A ^5
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	2320	2358		mg/Kg		101.7	75.9 - 124.1
Manganese	269	268.6		mg/Kg		99.9	82.2 - 117.8
Nickel	53.9	57.30		mg/Kg		106.3	82.6 - 117.4
Potassium	2020	2028		mg/Kg		100.4	69.8 - 130.2
Selenium	167	170.0		mg/Kg		101.8	79.0 - 120.4
Silver	33.6	32.12		mg/Kg		95.6	79.8 - 119.9
Sodium	133	140.6	J	mg/Kg		105.7	71.5 - 128.6
Thallium	112	109.5		mg/Kg		97.8	80.6 - 118.8
Vanadium	62.6	60.94		mg/Kg		97.3	78.9 - 121.1
Zinc	158	156.0		mg/Kg		98.7	81.0 - 119.0

Lab Sample ID: 460-233602-B-1-D MS
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	16400		612	24220	4	mg/Kg	☼	1273	75 - 125
Antimony	2.2		6.12	4.13	N	mg/Kg	☼	32	75 - 125
Arsenic	6.9		12.2	18.95		mg/Kg	☼	98	75 - 125
Barium	233		12.2	127.2	4	mg/Kg	☼	-865	75 - 125
Beryllium	0.79		6.12	6.89		mg/Kg	☼	100	75 - 125
Cadmium	6.0		6.12	7.91	N	mg/Kg	☼	32	75 - 125
Calcium	10100		612	4516	4	mg/Kg	☼	-909	75 - 125
Chromium	38.1		12.2	49.51		mg/Kg	☼	93	75 - 125
Cobalt	12.5		6.12	15.87	N	mg/Kg	☼	55	75 - 125
Copper	388		12.2	128.8	4	mg/Kg	☼	-2113	75 - 125
Iron	28900		612	31110	4	mg/Kg	☼	362	75 - 125
Lead	430		6.12	134.0	4	mg/Kg	☼	-4829	75 - 125
Magnesium	2340		612	2786	N	mg/Kg	☼	73	75 - 125
Manganese	822		61.2	620.3	4	mg/Kg	☼	-330	75 - 125
Nickel	105		12.2	44.42	4	mg/Kg	☼	-497	75 - 125
Potassium	1110		612	1967	N	mg/Kg	☼	140	75 - 125
Selenium	0.57	J	12.2	10.94		mg/Kg	☼	85	75 - 125
Silver	0.41	J	6.12	6.26		mg/Kg	☼	95	75 - 125
Sodium	570		612	1117		mg/Kg	☼	89	75 - 125
Thallium	0.13	J	4.90	4.83		mg/Kg	☼	96	75 - 125
Vanadium	43.9		12.2	63.15	N	mg/Kg	☼	157	75 - 125
Zinc	648		61.2	474.3	4	mg/Kg	☼	-283	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233602-B-1-E MSD
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	16400		612	20510	4	mg/Kg	☼	667	75 - 125	17	20
Antimony	2.2		6.12	5.36	N	mg/Kg	☼	52	75 - 125	26	20
Arsenic	6.9		12.2	17.11		mg/Kg	☼	83	75 - 125	10	20
Barium	233		12.2	140.1	4	mg/Kg	☼	-760	75 - 125	10	20
Beryllium	0.79		6.12	7.36		mg/Kg	☼	107	75 - 125	7	20
Cadmium	6.0		6.12	8.15	N	mg/Kg	☼	35	75 - 125	3	20
Calcium	10100		612	4008	4	mg/Kg	☼	-992	75 - 125	12	20
Chromium	38.1		12.2	89.53	N	mg/Kg	☼	420	75 - 125	58	20
Cobalt	12.5		6.12	15.18	N	mg/Kg	☼	44	75 - 125	4	20
Copper	388		12.2	186.6	4 N	mg/Kg	☼	-1641	75 - 125	37	20
Iron	28900		612	26970	4	mg/Kg	☼	-313	75 - 125	14	20
Lead	430		6.12	349.9	4 N	mg/Kg	☼	-1303	75 - 125	89	20
Magnesium	2340		612	2386	N	mg/Kg	☼	8	75 - 125	15	20
Manganese	822		61.2	381.6	4 N	mg/Kg	☼	-719	75 - 125	48	20
Nickel	105		12.2	103.1	4 N	mg/Kg	☼	-17	75 - 125	80	20
Potassium	1110		612	1647		mg/Kg	☼	88	75 - 125	18	20
Selenium	0.57	J	12.2	11.00		mg/Kg	☼	85	75 - 125	1	20
Silver	0.41	J	6.12	6.13		mg/Kg	☼	93	75 - 125	2	20
Sodium	570		612	1117		mg/Kg	☼	89	75 - 125	0	20
Thallium	0.13	J	4.90	4.90		mg/Kg	☼	97	75 - 125	1	20
Vanadium	43.9		12.2	60.05	N	mg/Kg	☼	132	75 - 125	5	20
Zinc	648		61.2	313.7	4 N	mg/Kg	☼	-545	75 - 125	41	20

Lab Sample ID: 460-233602-A-1-C DU
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	16400			17230		mg/Kg	☼			5	20
Antimony	2.2			2.73		mg/Kg	☼			22	20
Arsenic	6.9			8.93	*	mg/Kg	☼			25	20
Barium	233			209.0		mg/Kg	☼			11	20
Beryllium	0.79			0.804		mg/Kg	☼			1	20
Cadmium	6.0			6.89		mg/Kg	☼			14	20
Calcium	10100			8098	*	mg/Kg	☼			22	20
Chromium	38.1			45.46		mg/Kg	☼			18	20
Cobalt	12.5			12.85		mg/Kg	☼			3	20
Copper	388			337.2		mg/Kg	☼			14	20
Iron	28900			39340	*	mg/Kg	☼			31	20
Lead	430			371.3		mg/Kg	☼			15	20
Magnesium	2340			2326		mg/Kg	☼			0.5	20
Manganese	822			631.3	*	mg/Kg	☼			26	20
Nickel	105			131.8	*	mg/Kg	☼			22	20
Potassium	1110			1099		mg/Kg	☼			1	20
Selenium	0.57	J		0.737	J	mg/Kg	☼			25	20
Silver	0.41	J		0.399	J	mg/Kg	☼			3	20
Sodium	570			567.2		mg/Kg	☼			0.5	20
Thallium	0.13	J		0.130	J	mg/Kg	☼			2	20
Vanadium	43.9			45.17		mg/Kg	☼			3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-233602-A-1-C DU
Matrix: Solid
Analysis Batch: 778464

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778343

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	648		718.6		mg/Kg	☼	10	20

Lab Sample ID: MB 460-778362/1-A
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Calcium	100	U	100	17.0	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Chromium	0.306	J	2.0	0.17	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Magnesium	100	U	100	10.2	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Potassium	100	U	100	11.2	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Sodium	100	U	100	15.6	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/17/21 05:20	05/17/21 22:19	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/17/21 05:20	05/17/21 22:19	1

Lab Sample ID: LCSSRM 460-778362/2-A ^5
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6198		mg/Kg		76.2	48.2 - 151.3
Antimony	134	77.50		mg/Kg		57.8	3.4 - 197.0
Arsenic	156	154.7		mg/Kg		99.2	82.7 - 117.3
Barium	239	216.4		mg/Kg		90.6	82.4 - 117.2
Beryllium	169	165.1		mg/Kg		97.7	83.4 - 117.2
Cadmium	137	131.8		mg/Kg		96.2	82.5 - 116.8
Calcium	4760	4705		mg/Kg		98.8	81.7 - 118.5
Chromium	154	143.9		mg/Kg		93.4	81.8 - 117.5

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-778362/2-A ^5
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	121	118.0		mg/Kg		97.5	83.5 - 116.5
Copper	54.9	53.90		mg/Kg		98.2	84.0 - 115.8
Iron	14100	11950		mg/Kg		84.8	60.1 - 139.7
Lead	130	121.4		mg/Kg		93.4	82.3 - 116.9
Magnesium	2320	2048		mg/Kg		88.3	75.9 - 124.1
Manganese	269	249.0		mg/Kg		92.6	82.2 - 117.8
Nickel	53.9	53.38		mg/Kg		99.0	82.6 - 117.4
Potassium	2020	1720		mg/Kg		85.1	69.8 - 130.2
Selenium	167	163.4		mg/Kg		97.8	79.0 - 120.4
Silver	33.6	31.55		mg/Kg		93.9	79.8 - 119.9
Thallium	112	108.4		mg/Kg		96.8	80.6 - 118.8
Vanadium	62.6	55.18		mg/Kg		88.1	78.9 - 121.1
Zinc	158	147.7		mg/Kg		93.5	81.0 - 119.0

Lab Sample ID: LCSSRM 460-778362/2-A ^5
Matrix: Solid
Analysis Batch: 779377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	133	107.8	J	mg/Kg		81.1	71.5 - 128.6

Lab Sample ID: 460-234129-B-12-F MS
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7790		553	9397	4	mg/Kg	☼	290	75 - 125
Antimony	1.1	U	5.53	2.66	N	mg/Kg	☼	48	75 - 125
Arsenic	3.2		11.1	14.34		mg/Kg	☼	101	75 - 125
Barium	35.2		11.1	45.90		mg/Kg	☼	96	75 - 125
Beryllium	0.85		5.53	6.49		mg/Kg	☼	102	75 - 125
Cadmium	1.1	U	5.53	5.52		mg/Kg	☼	100	75 - 125
Calcium	632		553	1165		mg/Kg	☼	96	75 - 125
Chromium	6.8	B	11.1	16.93		mg/Kg	☼	92	75 - 125
Cobalt	3.7		5.53	9.36		mg/Kg	☼	102	75 - 125
Copper	4.4		11.1	15.29		mg/Kg	☼	98	75 - 125
Iron	12600		553	13170	4	mg/Kg	☼	109	75 - 125
Lead	14.6		5.53	19.84		mg/Kg	☼	95	75 - 125
Magnesium	826		553	1381		mg/Kg	☼	100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-234129-B-12-F MS
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	160		55.3	238.5	N	mg/Kg	☼	143	75 - 125
Nickel	8.6		11.1	19.94		mg/Kg	☼	103	75 - 125
Potassium	250		553	746.9		mg/Kg	☼	90	75 - 125
Selenium	1.4	U	11.1	10.76		mg/Kg	☼	97	75 - 125
Silver	1.1	U	5.53	5.42		mg/Kg	☼	98	75 - 125
Sodium	51.0	J	553	564.5		mg/Kg	☼	93	75 - 125
Thallium	0.44	U	4.43	4.08		mg/Kg	☼	92	75 - 125
Vanadium	8.0		11.1	18.27		mg/Kg	☼	93	75 - 125
Zinc	52.9		55.3	106.3		mg/Kg	☼	96	75 - 125

Lab Sample ID: 460-234129-B-12-E DU
Matrix: Solid
Analysis Batch: 778446

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778362

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7790		8520		mg/Kg	☼	9	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	3.2		3.85		mg/Kg	☼	20	20
Barium	35.2		42.14		mg/Kg	☼	18	20
Beryllium	0.85		0.966		mg/Kg	☼	12	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Calcium	632		629.6		mg/Kg	☼	0.4	20
Chromium	6.8	B	6.34		mg/Kg	☼	7	20
Cobalt	3.7		4.75		mg/Kg	☼	25	20
Copper	4.4		5.55		mg/Kg	☼	23	20
Iron	12600		14430		mg/Kg	☼	14	20
Lead	14.6		20.35	*	mg/Kg	☼	33	20
Magnesium	826		920.6		mg/Kg	☼	11	20
Manganese	160		232.3	*	mg/Kg	☼	37	20
Nickel	8.6		10.49		mg/Kg	☼	20	20
Potassium	250		254.3		mg/Kg	☼	2	20
Selenium	1.4	U	1.4	U	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	51.0	J	44.66	J	mg/Kg	☼	13	20
Thallium	0.44	U	0.44	U	mg/Kg	☼	NC	20
Vanadium	8.0		9.10		mg/Kg	☼	13	20
Zinc	52.9		66.37	*	mg/Kg	☼	23	20

Lab Sample ID: MB 460-779068/1-A
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/20/21 03:06	05/21/21 09:28	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-779068/1-A
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100	U	100	17.0	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Magnesium	100	U	100	10.2	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Potassium	100	U	100	11.2	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Sodium	100	U	100	15.6	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/20/21 03:06	05/21/21 09:28	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/20/21 03:06	05/21/21 09:28	1

Lab Sample ID: LCSSRM 460-779068/2-A ^5
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779068

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6440		mg/Kg		79.2	48.2 - 151.3
Antimony	134	77.48		mg/Kg		57.8	3.4 - 197.0
Arsenic	156	141.2		mg/Kg		90.5	82.7 - 117.3
Barium	239	220.4		mg/Kg		92.2	82.4 - 117.2
Beryllium	169	168.7		mg/Kg		99.8	83.4 - 117.2
Cadmium	137	137.5		mg/Kg		100.4	82.5 - 116.8
Calcium	4760	4398		mg/Kg		92.4	81.7 - 118.5
Chromium	154	140.2		mg/Kg		91.0	81.8 - 117.5
Cobalt	121	120.2		mg/Kg		99.3	83.5 - 116.5
Copper	54.9	49.27		mg/Kg		89.8	84.0 - 115.8
Iron	14100	11490		mg/Kg		81.5	60.1 - 139.7
Lead	130	113.2		mg/Kg		87.1	82.3 - 116.9
Magnesium	2320	2065		mg/Kg		89.0	75.9 - 124.1
Manganese	269	255.0		mg/Kg		94.8	82.2 - 117.8
Nickel	53.9	53.53		mg/Kg		99.3	82.6 - 117.4

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-779068/2-A ^5
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779068

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	2020	1674		mg/Kg		82.9	69.8 - 130.2
Selenium	167	159.8		mg/Kg		95.7	79.0 - 120.4
Silver	33.6	29.00		mg/Kg		86.3	79.8 - 119.9
Sodium	133	132.8	J	mg/Kg		99.8	71.5 - 128.6
Thallium	112	110.7		mg/Kg		98.9	80.6 - 118.8
Vanadium	62.6	53.57		mg/Kg		85.6	78.9 - 121.1
Zinc	158	139.6		mg/Kg		88.4	81.0 - 119.0

Lab Sample ID: 460-234453-H-3-E MS
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	17600		603	20900	4	mg/Kg	☼	545	75 - 125
Antimony	1.2	U	6.03	2.56	N	mg/Kg	☼	42	75 - 125
Arsenic	7.3		12.1	16.96		mg/Kg	☼	80	75 - 125
Barium	141		12.1	67.84	4	mg/Kg	☼	-603	75 - 125
Beryllium	1.3		6.03	7.74		mg/Kg	☼	106	75 - 125
Cadmium	1.2	U	6.03	6.06		mg/Kg	☼	100	75 - 125
Calcium	346		603	925.9		mg/Kg	☼	96	75 - 125
Chromium	49.7		12.1	35.28	4	mg/Kg	☼	-119	75 - 125
Cobalt	12.6		6.03	15.79	N	mg/Kg	☼	53	75 - 125
Copper	16.4		12.1	27.42		mg/Kg	☼	91	75 - 125
Iron	31700		603	28330	4	mg/Kg	☼	-567	75 - 125
Lead	25.5		6.03	17.18	4	mg/Kg	☼	-137	75 - 125
Magnesium	2510		603	3401	4	mg/Kg	☼	147	75 - 125
Manganese	1050		60.3	439.3	4	mg/Kg	☼	-1017	75 - 125
Nickel	18.3		12.1	30.83		mg/Kg	☼	104	75 - 125
Potassium	702		603	1373		mg/Kg	☼	111	75 - 125
Selenium	0.16	J	12.1	10.32		mg/Kg	☼	84	75 - 125
Silver	1.2	U	6.03	6.13		mg/Kg	☼	102	75 - 125
Sodium	80.8	J	603	670.2		mg/Kg	☼	98	75 - 125
Thallium	0.18	J	4.82	4.96		mg/Kg	☼	99	75 - 125
Vanadium	46.9		12.1	52.88	N	mg/Kg	☼	50	75 - 125
Zinc	38.6		60.3	93.11		mg/Kg	☼	90	75 - 125

Lab Sample ID: 460-234453-H-3-D DU
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779068

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	17600		17770		mg/Kg	☼	0.9	20
Antimony	1.2	U	1.2	U	mg/Kg	☼	NC	20
Arsenic	7.3		6.62		mg/Kg	☼	9	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-234453-H-3-D DU
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779068

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	141		97.30	*	mg/Kg	☼	36	20
Beryllium	1.3		1.31		mg/Kg	☼	3	20
Cadmium	1.2	U	1.2	U	mg/Kg	☼	NC	20
Calcium	346		349.9		mg/Kg	☼	1	20
Chromium	49.7		36.81	*	mg/Kg	☼	30	20
Cobalt	12.6		14.09		mg/Kg	☼	11	20
Copper	16.4		15.88		mg/Kg	☼	3	20
Iron	31700		28960		mg/Kg	☼	9	20
Lead	25.5		18.80	*	mg/Kg	☼	30	20
Magnesium	2510		2501		mg/Kg	☼	0.5	20
Manganese	1050		847.0	*	mg/Kg	☼	22	20
Nickel	18.3		18.44		mg/Kg	☼	1	20
Potassium	702		715.2		mg/Kg	☼	2	20
Selenium	0.16	J	0.172	J	mg/Kg	☼	7	20
Silver	1.2	U	1.2	U	mg/Kg	☼	NC	20
Sodium	80.8	J	80.71	J	mg/Kg	☼	0.2	20
Thallium	0.18	J	0.166	J	mg/Kg	☼	9	20
Vanadium	46.9		42.51		mg/Kg	☼	10	20
Zinc	38.6		37.50		mg/Kg	☼	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-778003/1-A
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778003

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 14:50	1

Lab Sample ID: LCS 460-778003/2-A
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778003

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00489		mg/L		98	80 - 120

Lab Sample ID: MB 460-778449/1-A
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:17	05/17/21 14:12	1

Lab Sample ID: LCS 460-778449/2-A
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00516		mg/L		103	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-778451/1-A
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:23	05/17/21 15:05	1

Lab Sample ID: LCS 460-778451/2-A
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00475		mg/L		95	80 - 120

Lab Sample ID: LB 460-777574/1-J
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778003

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:45	05/14/21 15:43	1

Lab Sample ID: LB 460-777826/1-D
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778003

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/14/21 13:46	05/14/21 15:45	1

Lab Sample ID: 460-234105-F-1-I MS
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 778003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00025		0.00500	0.00533		mg/L		101	75 - 125

Lab Sample ID: 460-234105-F-1-H DU
Matrix: Solid
Analysis Batch: 778032

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 778003

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00025		0.000292		mg/L		14	20

Lab Sample ID: 460-234327-1 MS
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: WC-19 (0-5)
Prep Type: TCLP
Prep Batch: 778449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00525		mg/L		105	75 - 125

Lab Sample ID: 460-234327-1 DU
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: WC-19 (0-5)
Prep Type: TCLP
Prep Batch: 778449

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 460-778046/1-G
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778451

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:23	05/17/21 15:47	1

Lab Sample ID: LB 460-778215/1-E
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778451

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:23	05/17/21 15:50	1

Lab Sample ID: LB 460-778334/1-F
Matrix: Solid
Analysis Batch: 778510

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 778451

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/17/21 13:23	05/17/21 15:52	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-777619/1-A
Matrix: Solid
Analysis Batch: 777719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/13/21 03:24	05/13/21 07:16	1

Lab Sample ID: LCSSRM 460-777619/2-A ^40
Matrix: Solid
Analysis Batch: 777719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777619

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	21.45		mg/Kg		104.6	71.7 - 128.3		

Lab Sample ID: 460-233416-A-9-N MS
Matrix: Solid
Analysis Batch: 777719

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.017	J	0.0931	0.121		mg/Kg	☼	111	80 - 120		

Lab Sample ID: 460-233416-A-9-O MSD
Matrix: Solid
Analysis Batch: 777719

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.017	J	0.0931	0.120		mg/Kg	☼	110	80 - 120	1	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-233416-A-9-M DU
Matrix: Solid
Analysis Batch: 777719

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777619

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.017	J		0.0211		mg/Kg	☼			19	20

Lab Sample ID: MB 460-777870/10-A
Matrix: Solid
Analysis Batch: 777968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/14/21 03:09	05/14/21 07:00	1

Lab Sample ID: LCSSRM 460-777870/11-A ^40
Matrix: Solid
Analysis Batch: 777968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777870

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	19.94		mg/Kg		97.3	71.7 - 128.3		

Lab Sample ID: 460-233145-A-10-H MS
Matrix: Solid
Analysis Batch: 777968

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.019	U	0.0926	0.0921		mg/Kg	☼	99	80 - 120		

Lab Sample ID: 460-233145-A-10-G DU
Matrix: Solid
Analysis Batch: 777968

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777870

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.019	U		0.019	U	mg/Kg	☼			NC	20

Lab Sample ID: MB 460-778351/10-A
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/17/21 03:21	05/17/21 06:46	1

Lab Sample ID: LCSSRM 460-778351/11-A ^40
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778351

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.10		mg/Kg		98.1	71.7 - 128.3		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-233379-A-6-F MS
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.32		0.0927	0.501	N	mg/Kg	☼	196	80 - 120

Lab Sample ID: 460-233379-B-6-K MSD
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.32		0.0927	0.511	N	mg/Kg	☼	206	80 - 120	2	20

Lab Sample ID: 460-233379-B-6-J DU
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778351

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.32		0.327		mg/Kg	☼	2	20

Lab Sample ID: MB 460-778357/1-A
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/17/21 04:05	05/17/21 11:16	1

Lab Sample ID: LCSSRM 460-778357/2-A ^40
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778357

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	20.13		mg/Kg		98.2	71.7 - 128.3

Lab Sample ID: 460-234001-A-37-L MS
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.18		0.0977	0.309	N	mg/Kg	☼	127	80 - 120

Lab Sample ID: 460-234001-A-37-M MSD
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.18		0.0977	0.321	N	mg/Kg	☼	140	80 - 120	4	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-234001-A-37-K DU
Matrix: Solid
Analysis Batch: 778432

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778357

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.18			0.183		mg/Kg	☼			0.8	20

Lab Sample ID: MB 460-778574/1-A
Matrix: Solid
Analysis Batch: 778658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/18/21 03:32	05/18/21 07:22	1

Lab Sample ID: LCSSRM 460-778574/2-A ^40
Matrix: Solid
Analysis Batch: 778658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778574

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	19.77		mg/Kg		96.4	71.7 - 128.3		

Lab Sample ID: 460-234318-G-9-G MS
Matrix: Solid
Analysis Batch: 778658

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.018	U	0.0872	0.0841		mg/Kg	☼	96	80 - 120		

Lab Sample ID: 460-234318-G-9-F DU
Matrix: Solid
Analysis Batch: 778658

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778574

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.018	U		0.018	U	mg/Kg	☼			NC	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-234049-1 DU
Matrix: Solid
Analysis Batch: 778170

Client Sample ID: WC-9 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Lab Sample ID: 460-233901-C-1 DU
Matrix: Solid
Analysis Batch: 778691

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Method: 1030 - Ignitability, Solids (Continued)

Lab Sample ID: 460-234327-3 DU
Matrix: Solid
Analysis Batch: 778697

Client Sample ID: WC-12 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-127252/1
Matrix: Solid
Analysis Batch: 127252

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/17/21 17:39	1

Lab Sample ID: LCS 410-127252/2
Matrix: Solid
Analysis Batch: 127252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	34.20		mg/L		85	78 - 114

Lab Sample ID: LCSD 410-127252/3
Matrix: Solid
Analysis Batch: 127252

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	33.90		mg/L		85	78 - 114	1	13

Lab Sample ID: 410-38999-G-1 MS
Matrix: Solid
Analysis Batch: 127252

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	6.7	U	53.3	40.67	N	mg/L		76	78 - 114

Lab Sample ID: MB 410-130554/1
Matrix: Solid
Analysis Batch: 130554

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/25/21 16:48	1

Lab Sample ID: LCS 410-130554/2
Matrix: Solid
Analysis Batch: 130554

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	33.00		mg/L		83	78 - 114

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 410-130554/3
Matrix: Solid
Analysis Batch: 130554

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM			40.0	34.80		mg/L		87	78 - 114	5	13

Lab Sample ID: 410-40445-G-1 MS
Matrix: Solid
Analysis Batch: 130554

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM	5.9	U	47.6	40.60		mg/L		85	78 - 114		

Method: 410.4 - COD

Lab Sample ID: MB 460-777809/4
Matrix: Solid
Analysis Batch: 777809

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/13/21 18:09	1

Lab Sample ID: LCSSRM 460-777809/5
Matrix: Solid
Analysis Batch: 777809

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	105.1		mg/Kg		102.0	76.6 - 120.4		

Lab Sample ID: MRL 460-777809/3
Matrix: Solid
Analysis Batch: 777809

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	11.85		mg/L		118			

Lab Sample ID: MB 460-778179/4
Matrix: Solid
Analysis Batch: 778179

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1

Lab Sample ID: LCSSRM 460-778179/5
Matrix: Solid
Analysis Batch: 778179

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	104.1		mg/Kg		101.1	76.6 - 120.4		

Method: 410.4 - COD (Continued)

Lab Sample ID: MRL 460-778179/3
Matrix: Solid
Analysis Batch: 778179

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	12.49		mg/L		125			

Lab Sample ID: MB 460-778928/4
Matrix: Solid
Analysis Batch: 778928

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1

Lab Sample ID: LCSSRM 460-778928/5
Matrix: Solid
Analysis Batch: 778928

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	108.0		mg/Kg		104.8	76.6 - 120.4		

Lab Sample ID: MRL 460-778928/3
Matrix: Solid
Analysis Batch: 778928

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	11.85		mg/L		118			

Lab Sample ID: 460-234065-A-2 MS
Matrix: Solid
Analysis Batch: 778928

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	25.7		50.0	73.79		mg/Kg		96	90 - 110		

Lab Sample ID: 460-234065-A-2 MSD
Matrix: Solid
Analysis Batch: 778928

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	25.7		50.0	75.40		mg/Kg		99	90 - 110	2	10

Lab Sample ID: LB 460-777498/1-A
Matrix: Solid
Analysis Batch: 777809

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/13/21 18:09	1

Method: 410.4 - COD (Continued)

Lab Sample ID: LB 460-777823/1-A
Matrix: Solid
Analysis Batch: 778179

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1

Lab Sample ID: LB 460-778043/1-A
Matrix: Solid
Analysis Batch: 778179

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/15/21 14:58	1

Lab Sample ID: LB 460-778214/1-A
Matrix: Solid
Analysis Batch: 778928

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1

Lab Sample ID: LB 460-778337/1-A
Matrix: Solid
Analysis Batch: 778928

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/19/21 14:07	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-778514/180
Matrix: Solid
Analysis Batch: 778514

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 19:41	1

Lab Sample ID: LCS 460-778514/181
Matrix: Solid
Analysis Batch: 778514

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.07		mg/L		104	89 - 113		

Lab Sample ID: MRL 460-778514/12
Matrix: Solid
Analysis Batch: 778514

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			0.100	0.109		mg/L		109	50 - 150		

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: LB 460-777498/1-A
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:45	1

Lab Sample ID: LB 460-777823/1-A
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:47	1

Lab Sample ID: LB 460-778043/1-A
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:53	1

Lab Sample ID: LB 460-778214/1-A
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:48	1

Lab Sample ID: LB 460-778337/1-A
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/17/21 16:51	1

Lab Sample ID: 460-234049-1 MS
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: WC-9 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.10	U	2.00	2.10		mg/L		105	89 - 113		

Lab Sample ID: 460-234049-1 MSD
Matrix: Solid
Analysis Batch: 778514

Client Sample ID: WC-9 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.05		mg/L		103	89 - 113	2	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-778149/1-A
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		05/15/21 09:20	05/17/21 10:42	1

Lab Sample ID: LCSI 460-778149/3-A
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778149

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	708	810.7		mg/Kg		115	80 - 120

Lab Sample ID: LCSSRM 460-778149/2-A
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778149

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	12.3	12.03		mg/Kg		97.5	84.0 - 114.6

Lab Sample ID: 460-233756-F-10-M MSS
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.3	U	45.4	1.09	J N	mg/Kg	☼	2	75 - 125

Lab Sample ID: 460-233756-F-10-N MSI
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.3	U	803	180.0	N	mg/Kg	☼	22	75 - 125

Lab Sample ID: 460-233756-F-10-L DU
Matrix: Solid
Analysis Batch: 778381

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778149

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.3	U	2.3	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-779527/1-A
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		05/21/21 17:42	05/24/21 10:50	1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 460-779527/3-A
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	708	718.6		mg/Kg		102	80 - 120

Lab Sample ID: LCSSRM 460-779527/2-A
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	12.3	11.83		mg/Kg		95.9	84.0 - 114.6

Lab Sample ID: LCSSRM 460-779527/4-A
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	154	93.92		mg/Kg		61.0	21.2 - 120.1

Lab Sample ID: 460-233635-H-13-H MSS
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	43.4	38.31		mg/Kg	☼	88	75 - 125

Lab Sample ID: 460-233635-H-13-I MSI
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	769	756.9		mg/Kg	☼	98	75 - 125

Lab Sample ID: 460-233635-H-13-G DU
Matrix: Solid
Analysis Batch: 779856

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779527

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.2	U	2.2	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-780094/1-A
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		05/25/21 08:02	05/25/21 12:51	1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 460-780094/3-A
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	708	748.2		mg/Kg		106	80 - 120

Lab Sample ID: LCSSRM 460-780094/2-A
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	12.3	11.60		mg/Kg		94.0	84.0 - 114.6

Lab Sample ID: XLCSSRM 460-780094/4-A (460-8948564)
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	154	106.3		mg/Kg		69.0	21.2 - 120.1

Lab Sample ID: 460-233756-F-8-T MSS
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	43.8	29.21	N	mg/Kg	☼	67	75 - 125

Lab Sample ID: 460-233756-F-8-U MSI
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	2.2	U	775	798.3		mg/Kg	☼	103	75 - 125

Lab Sample ID: 460-233756-F-8-S DU
Matrix: Solid
Analysis Batch: 780149

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 780094

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.2	U	2.2	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-777737/1-A
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/13/21 13:01	05/15/21 14:40	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 460-777737/2-A
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777737

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			90.7	94.62		mg/Kg		104.3	29.4 - 117.7		

Lab Sample ID: 460-234048-A-8-E MS
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.27	U	5.44	6.28	N	mg/Kg	☼	116	11 - 108		

Lab Sample ID: 460-234048-A-8-F MSD
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.27	U	5.06	6.07	N	mg/Kg	☼	120	11 - 108	3	40

Lab Sample ID: MB 460-778030/1-A
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/14/21 15:55	05/15/21 14:06	1

Lab Sample ID: LCSSRM 460-778030/2-A
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778030

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			94.3	96.96		mg/Kg		102.8	29.4 - 117.7		

Lab Sample ID: 460-233652-D-15-D MS
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.24	U	4.54	5.51	N	mg/Kg	☼	121	11 - 108		

Lab Sample ID: 460-233652-D-15-E MSD
Matrix: Solid
Analysis Batch: 778183

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778030

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.24	U	4.38	5.21	N	mg/Kg	☼	119	11 - 108	6	40

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: MB 460-779038/1-A
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/19/21 18:17	05/20/21 14:36	1

Lab Sample ID: LCSSRM 460-779038/2-A ^20
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779038

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	82.56		mg/Kg		87.6	29.4 - 117.7

Lab Sample ID: 460-234204-1 MS
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: WC-11 (0-5)
Prep Type: Total/NA
Prep Batch: 779038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.25	U	4.45	4.72		mg/Kg	☼	106	11 - 108

Lab Sample ID: 460-234204-1 MSD
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: WC-11 (0-5)
Prep Type: Total/NA
Prep Batch: 779038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.25	U	5.17	5.92	N	mg/Kg	☼	115	11 - 108	22	40

Lab Sample ID: MB 460-779042/1-A
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/19/21 18:51	05/20/21 15:14	1

Lab Sample ID: LCSSRM 460-779042/2-A ^20
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779042

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	70.08		mg/Kg		74.3	29.4 - 117.7

Lab Sample ID: 460-234453-G-26-F MS
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.27	U	5.19	6.77	N	mg/Kg	☼	130	11 - 108

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-234453-G-26-G MSD
Matrix: Solid
Analysis Batch: 779261

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.27	U	5.39	6.63	N	mg/Kg	☼	123	11 - 108	2	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-777792/1-A
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777792

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/13/21 16:58	05/13/21 17:04	1

Lab Sample ID: LCS 460-777792/2-A
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-233790-F-1-E DU
Matrix: Solid
Analysis Batch: 777798

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 777792

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Lab Sample ID: MB 460-778021/1-A
Matrix: Solid
Analysis Batch: 778035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778021

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/14/21 15:01	05/14/21 16:51	1

Lab Sample ID: LCS 460-778021/2-A
Matrix: Solid
Analysis Batch: 778035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-233652-D-1-E DU
Matrix: Solid
Analysis Batch: 778035

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 778021

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: MB 460-779265/1-A
Matrix: Solid
Analysis Batch: 779270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779265

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/20/21 16:23	05/20/21 16:33	1

Lab Sample ID: LCS 460-779265/2-A
Matrix: Solid
Analysis Batch: 779270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-234446-2 DU
Matrix: Solid
Analysis Batch: 779270

Client Sample ID: WC-13 (0-5)
Prep Type: Total/NA
Prep Batch: 779265

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-777791/1-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777791

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/13/21 16:54	05/13/21 17:02	1

Lab Sample ID: LCSSRM 460-777791/3-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	60.47		mg/Kg		96.6	44.9 - 144.2

Lab Sample ID: 460-233790-F-1-B MS
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	461	363.1		mg/Kg		79	64 - 136

Lab Sample ID: 460-233790-F-1-C MSD
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 777791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	461	355.5		mg/Kg		77	64 - 136	2	10

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: MB 460-778020/1-A
Matrix: Solid
Analysis Batch: 778034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778020

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/14/21 14:58	05/14/21 16:49	1

Lab Sample ID: LCSSRM 460-778020/3-A
Matrix: Solid
Analysis Batch: 778034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778020

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	60.47		mg/Kg		96.6	44.9 - 144.2

Lab Sample ID: 460-233652-D-1-B MS
Matrix: Solid
Analysis Batch: 778034

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 778020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	484	416.0		mg/Kg		86	64 - 136

Lab Sample ID: 460-233652-D-1-C MSD
Matrix: Solid
Analysis Batch: 778034

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 778020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	484	416.0		mg/Kg		86	64 - 136	0	10

Lab Sample ID: MB 460-779262/1-A
Matrix: Solid
Analysis Batch: 779269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779262

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/20/21 16:13	05/20/21 16:28	1

Lab Sample ID: LCSSRM 460-779262/3-A
Matrix: Solid
Analysis Batch: 779269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779262

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	62.52		mg/Kg		99.9	44.9 - 144.2

Lab Sample ID: 460-234446-2 MS
Matrix: Solid
Analysis Batch: 779269

Client Sample ID: WC-13 (0-5)
Prep Type: Total/NA
Prep Batch: 779262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	450	359.6		mg/Kg		80	64 - 136

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-234446-2 MSD
Matrix: Solid
Analysis Batch: 779269

Client Sample ID: WC-13 (0-5)
Prep Type: Total/NA
Prep Batch: 779262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	450	352.0		mg/Kg		78	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-778252/2
Matrix: Solid
Analysis Batch: 778252

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.3				SU			05/16/21 13:25	1
Corrosivity	6.3				SU			05/16/21 13:25	1

Lab Sample ID: LCSSRM 460-778252/3
Matrix: Solid
Analysis Batch: 778252

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.4	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.4	97.6 - 102.4		

Lab Sample ID: 460-233792-A-1 DU
Matrix: Solid
Analysis Batch: 778252

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.7			7.8		SU				0.6	10
Corrosivity	7.7			7.8		SU				0.6	10

Lab Sample ID: MB 460-778254/2
Matrix: Solid
Analysis Batch: 778254

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.0				SU			05/16/21 11:58	1
Corrosivity	6.0				SU			05/16/21 11:58	1

Lab Sample ID: LCSSRM 460-778254/3
Matrix: Solid
Analysis Batch: 778254

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.2	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.2	97.6 - 102.4		

Method: 9045D - pH (Continued)

Lab Sample ID: 460-234105-G-1 DU
Matrix: Solid
Analysis Batch: 778254

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.4			8.5		SU				0.2	10
Corrosivity	8.4			8.5		SU				0.2	10

Lab Sample ID: MB 460-779228/2
Matrix: Solid
Analysis Batch: 779228

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.9				SU			05/20/21 13:02	1
Corrosivity	5.9				SU			05/20/21 13:02	1

Lab Sample ID: LCSSRM 460-779228/3
Matrix: Solid
Analysis Batch: 779228

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.8	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.8	97.6 - 102.4		

Lab Sample ID: 460-234046-G-1 DU
Matrix: Solid
Analysis Batch: 779228

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	6.8			6.8		SU				0.1	10
Corrosivity	6.8			6.8		SU				0.1	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-126164/1-A
Matrix: Solid
Analysis Batch: 126526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		05/13/21 20:30	05/14/21 13:23	1

Lab Sample ID: LCS 410-126164/2-A
Matrix: Solid
Analysis Batch: 126526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126164

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease			4970	4581		mg/Kg		92	91 - 111		

Lab Sample ID: 180-121279-D-1-E MS
Matrix: Solid
Analysis Batch: 126526

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease	658	U	5520	5352		mg/Kg	☼	97	91 - 111		

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: 180-121279-D-1-F MSD
Matrix: Solid
Analysis Batch: 126526
Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	658	U	5540	5168		mg/Kg	☼	93	91 - 111	4	26

Lab Sample ID: 180-121279-D-1-G DU
Matrix: Solid
Analysis Batch: 126526
Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	658	U	665	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 410-127807/1-A
Matrix: Solid
Analysis Batch: 128249
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	597	U	597	199	mg/Kg		05/18/21 19:45	05/19/21 12:55	1

Lab Sample ID: LCS 410-127807/2-A
Matrix: Solid
Analysis Batch: 128249
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4970	5187		mg/Kg		104	91 - 111

Lab Sample ID: 180-121522-D-1-B MS
Matrix: Solid
Analysis Batch: 128249
Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 127807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	694	U	5800	4423	N	mg/Kg	☼	76	91 - 111

Lab Sample ID: 180-121522-D-1-C MSD
Matrix: Solid
Analysis Batch: 128249
Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 127807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	694	U	5940	4523	N	mg/Kg	☼	76	91 - 111	2	26

Lab Sample ID: 180-121522-D-1-D DU
Matrix: Solid
Analysis Batch: 128249
Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 127807

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	694	U	695	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 410-129578/1-A
Matrix: Solid
Analysis Batch: 129961
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		05/23/21 10:15	05/24/21 13:17	1

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: LCS 410-129578/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 129961
Prep Batch: 129578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease			4980	4983		mg/Kg		100	91 - 111		

Lab Sample ID: 180-121677-D-1-B MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 129961
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease	653	U	5410	5053		mg/Kg	☼	93	91 - 111		

Lab Sample ID: 180-121677-D-1-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 129961
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	653	U	5420	5264		mg/Kg	☼	97	91 - 111	4	26

Lab Sample ID: 180-121677-D-1-D DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 129961
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Oil & Grease	653	U		648	U	mg/Kg	☼			NC	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-233866-C-2 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 777458

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Lab Sample ID: 460-233652-C-1 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778171

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Lab Sample ID: 460-234046-G-1 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779189

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-234049-3 DU
Matrix: Solid
Analysis Batch: 777473

Client Sample ID: WC-8_WC-9 (5-10)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	14.5			14.4		%				0.9	20
Percent Solids	85.5			85.6		%				0.1	20

Lab Sample ID: 460-233652-D-24 DU
Matrix: Solid
Analysis Batch: 777726

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.1			5.2		%				3	20
Percent Solids	94.9			94.8		%				0.2	20

Lab Sample ID: 460-234129-B-8 DU
Matrix: Solid
Analysis Batch: 777738

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	19.5			19.3		%				0.8	20
Percent Solids	80.5			80.7		%				0.2	20

Lab Sample ID: 460-234443-E-12 DU
Matrix: Solid
Analysis Batch: 778679

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.6			8.9		%				7	20
Percent Solids	90.4			91.1		%				0.7	20

Lab Sample ID: 460-234352-A-7 DU
Matrix: Solid
Analysis Batch: 778689

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.8			13.7		%				1	20
Percent Solids	86.2			86.3		%				0.2	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-777776/1
Matrix: Solid
Analysis Batch: 777776

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/13/21 16:19	1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: LCSSRM 460-777776/2
Matrix: Solid
Analysis Batch: 777776

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	715.0		mg/L		94.6	89.9 - 110.1

Lab Sample ID: MRL 460-777776/3
Matrix: Solid
Analysis Batch: 777776

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		93	50 - 150

Lab Sample ID: MB 460-778013/1
Matrix: Solid
Analysis Batch: 778013

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/14/21 14:33	1

Lab Sample ID: LCSSRM 460-778013/2
Matrix: Solid
Analysis Batch: 778013

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	779.0		mg/L		103.0	89.9 - 110.1

Lab Sample ID: MRL 460-778013/3
Matrix: Solid
Analysis Batch: 778013

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		66	50 - 150

Lab Sample ID: MB 460-778397/1
Matrix: Solid
Analysis Batch: 778397

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/17/21 09:05	1

Lab Sample ID: LCSSRM 460-778397/2
Matrix: Solid
Analysis Batch: 778397

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	786.0		mg/L		104.0	89.9 - 110.1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: MRL 460-778397/3
Matrix: Solid
Analysis Batch: 778397

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		93	50 - 150

Lab Sample ID: MB 460-778703/1
Matrix: Solid
Analysis Batch: 778703

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/18/21 15:30	1

Lab Sample ID: LCSSRM 460-778703/2
Matrix: Solid
Analysis Batch: 778703

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	786.0		mg/L		104.0	89.9 - 110.1

Lab Sample ID: MRL 460-778703/3
Matrix: Solid
Analysis Batch: 778703

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		53	50 - 150

Lab Sample ID: LB 460-777498/1-A
Matrix: Solid
Analysis Batch: 777776

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/13/21 16:19	1

Lab Sample ID: 460-234049-3 DU
Matrix: Solid
Analysis Batch: 777776

Client Sample ID: WC-8_WC-9 (5-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	290		270.0	*	mg/L		7	5

Lab Sample ID: LB 460-777823/1-A
Matrix: Solid
Analysis Batch: 778013

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/14/21 14:35	1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: LB 460-778043/1-A
Matrix: Solid
Analysis Batch: 778397

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	22.00		10.0	10.0	mg/L			05/17/21 09:05	1

Lab Sample ID: LB 460-778214/1-A
Matrix: Solid
Analysis Batch: 778397

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/17/21 09:05	1

Lab Sample ID: LB 460-778336/1-A
Matrix: Solid
Analysis Batch: 778703

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	200	U	200	200	mg/L			05/18/21 15:30	1

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-777395/1
Matrix: Solid
Analysis Batch: 777395

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/12/21 07:41	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/12/21 07:41	1

Lab Sample ID: 460-234049-1 DU
Matrix: Solid
Analysis Batch: 777395

Client Sample ID: WC-9 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	89.9			88.76		%				1	5
Total Volatile Solids	3.0			2.67	*	%				10	5

Lab Sample ID: MB 460-778018/1
Matrix: Solid
Analysis Batch: 778018

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/14/21 14:57	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/14/21 14:57	1

Lab Sample ID: 460-234139-2 DU
Matrix: Solid
Analysis Batch: 778018

Client Sample ID: WC-10 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	93.5			92.11		%				1	5
Total Volatile Solids	3.6			3.54		%				3	5

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: 460-234327-1 DU
Client Sample ID: WC-19 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778401

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	94.0			94.46		%				0.5	5
Total Volatile Solids	2.6			2.44	*	%				6	5

GC/MS VOA

Prep Batch: 777294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-2	WC-9B (7-9)	Total/NA	Solid	5035	
LB3 460-777294/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 777402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-2	WC-9B (7-9)	TCLP	Solid	1311	
LB 460-777402/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 777411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-777294/1-A	Method Blank	Total/NA	Solid	8260D	777294
MB 460-777411/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-777411/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777411/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 777528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-1	WC-10A (0-2)	Total/NA	Solid	5035	
460-234139-3	WC-10B (7-9)	Total/NA	Solid	5035	
460-234139-5	WC-18A (0-2)	Total/NA	Solid	5035	

Leach Batch: 777621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-1	WC-10A (0-2)	TCLP	Solid	1311	
460-234139-3	WC-10B (7-9)	TCLP	Solid	1311	
460-234139-5	WC-18A (0-2)	TCLP	Solid	1311	
LB 460-777621/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 777625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-2	WC-9B (7-9)	Total/NA	Solid	8260D	777294
MB 460-777625/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-777625/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777625/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-2	WC-9B (7-9)	TCLP	Solid	8260D	777402
LB 460-777402/1-A	Method Blank	TCLP	Solid	8260D	777402
MB 460-777661/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-777661/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777661/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 777775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-2	WC-11A (0-2)	Total/NA	Solid	5035	

Leach Batch: 777876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-2	WC-11A (0-2)	TCLP	Solid	1311	
LB 460-777876/1-A	Method Blank	TCLP	Solid	1311	

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Analysis Batch: 777883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-1	WC-10A (0-2)	Total/NA	Solid	8260D	777528
460-234139-3	WC-10B (7-9)	Total/NA	Solid	8260D	777528
460-234139-5	WC-18A (0-2)	Total/NA	Solid	8260D	777528
MB 460-777883/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-777883/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777883/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-777621/1-A	Method Blank	TCLP	Solid	8260D	777621
MB 460-777898/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-777898/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777898/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 777922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-1	WC-10A (0-2)	TCLP	Solid	8260D	777621
460-234139-3	WC-10B (7-9)	TCLP	Solid	8260D	777621
460-234139-5	WC-18A (0-2)	TCLP	Solid	8260D	777621
MB 460-777922/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-777922/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-777922/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 778089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-4	WC-19A (0-2)	Total/NA	Solid	5035	
460-234327-5	WC-20A (0-2)	Total/NA	Solid	5035	
460-234327-6	WC-12D (0-2)	Total/NA	Solid	5035	
460-234327-7	WC-12C (6-8)	Total/NA	Solid	5035	
LB3 460-778089/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 778123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-4	WC-19A (0-2)	TCLP	Solid	1311	
460-234327-5	WC-20A (0-2)	TCLP	Solid	1311	
460-234327-6	WC-12D (0-2)	TCLP	Solid	1311	
460-234327-7	WC-12C (6-8)	TCLP	Solid	1311	
LB 460-778123/1-A	Method Blank	TCLP	Solid	1311	

Prep Batch: 778182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-1	WC-13B (0-2)	Total/NA	Solid	5035	
460-234446-3	CA-1C (0-2)	Total/NA	Solid	5035	
460-234446-5	WC-14A (0-2)	Total/NA	Solid	5035	
LB3 460-778182/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 778221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-2	WC-11A (0-2)	Total/NA	Solid	8260D	777775
MB 460-778221/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-778221/3	Lab Control Sample	Total/NA	Solid	8260D	

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Analysis Batch: 778221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-778221/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 778255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-2	WC-11A (0-2)	TCLP	Solid	8260D	777876
460-234327-4	WC-19A (0-2)	TCLP	Solid	8260D	778123
460-234327-5	WC-20A (0-2)	TCLP	Solid	8260D	778123
460-234327-6	WC-12D (0-2)	TCLP	Solid	8260D	778123
460-234327-7	WC-12C (6-8)	TCLP	Solid	8260D	778123
LB 460-777876/1-A	Method Blank	TCLP	Solid	8260D	777876
LB 460-778123/1-A	Method Blank	TCLP	Solid	8260D	778123
MB 460-778255/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-778255/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-778255/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 778287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-4	WC-19A (0-2)	Total/NA	Solid	8260D	778089
460-234327-5	WC-20A (0-2)	Total/NA	Solid	8260D	778089
460-234327-6	WC-12D (0-2)	Total/NA	Solid	8260D	778089
460-234327-7	WC-12C (6-8)	Total/NA	Solid	8260D	778089
LB3 460-778089/1-A	Method Blank	Total/NA	Solid	8260D	778089
MB 460-778287/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-778287/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-778287/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 778306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-1	WC-13B (0-2)	TCLP	Solid	1311	
460-234446-3	CA-1C (0-2)	TCLP	Solid	1311	
460-234446-5	WC-14A (0-2)	TCLP	Solid	1311	
LB 460-778306/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 778358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-778182/1-A	Method Blank	Total/NA	Solid	8260D	778182
MB 460-778358/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-778358/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-778358/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 778385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-1	WC-13B (0-2)	Total/NA	Solid	8260D	778182
460-234446-3	CA-1C (0-2)	Total/NA	Solid	8260D	778182
460-234446-5	WC-14A (0-2)	Total/NA	Solid	8260D	778182
MB 460-778385/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-778385/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-778385/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 779010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-1	WC-13B (0-2)	TCLP	Solid	8260D	778306
460-234446-3	CA-1C (0-2)	TCLP	Solid	8260D	778306
460-234446-5	WC-14A (0-2)	TCLP	Solid	8260D	778306
LB 460-778306/1-A	Method Blank	TCLP	Solid	8260D	778306
MB 460-779010/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-779010/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779010/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 777317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3546	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3546	
MB 460-777317/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777317/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777317/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 777445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	8270E	777317
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	8270E	777317
MB 460-777317/1-A	Method Blank	Total/NA	Solid	8270E	777317
LCS 460-777317/2-A	Lab Control Sample	Total/NA	Solid	8270E	777317
LCSD 460-777317/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777317

Prep Batch: 777564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3546	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3546	
MB 460-777564/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777564/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777564/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234134-A-8-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234134-A-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 777574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	1311	
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	1311	
LB 460-777574/1-B	Method Blank	TCLP	Solid	1311	

Analysis Batch: 777674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	8270E	777564
MB 460-777564/1-A	Method Blank	Total/NA	Solid	8270E	777564
LCS 460-777564/2-A	Lab Control Sample	Total/NA	Solid	8270E	777564
LCSD 460-777564/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777564
460-234134-A-8-A MS	Matrix Spike	Total/NA	Solid	8270E	777564
460-234134-A-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	777564

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Analysis Batch: 777689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-4	WC-18 (0-5)	Total/NA	Solid	8270E	777564

Prep Batch: 777710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	3510C	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	3510C	777574
LB 460-777574/1-B	Method Blank	TCLP	Solid	3510C	777574
MB 460-777710/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777710/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777710/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 777805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3546	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3546	
MB 460-777805/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777805/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777805/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234192-A-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-234192-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 777826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	1311	
460-234139-4	WC-18 (0-5)	TCLP	Solid	1311	
LB 460-777826/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 777833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	3510C	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	3510C	777826
LB 460-777826/1-B	Method Blank	TCLP	Solid	3510C	777826
MB 460-777833/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777833/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777833/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 777847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	8270E	777710
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	8270E	777710
LB 460-777574/1-B	Method Blank	TCLP	Solid	8270E	777710
MB 460-777710/1-A	Method Blank	Total/NA	Solid	8270E	777710
MB 460-777833/1-A	Method Blank	Total/NA	Solid	8270E	777833
LCS 460-777710/2-A	Lab Control Sample	Total/NA	Solid	8270E	777710
LCS 460-777833/2-A	Lab Control Sample	Total/NA	Solid	8270E	777833
LCSD 460-777710/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777710
LCSD 460-777833/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777833

Analysis Batch: 777903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	8270E	777805

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Analysis Batch: 777903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	8270E	777805
MB 460-777805/1-A	Method Blank	Total/NA	Solid	8270E	777805
LCS 460-777805/2-A	Lab Control Sample	Total/NA	Solid	8270E	777805
LCSD 460-777805/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	777805
460-234192-A-1-D MS	Matrix Spike	Total/NA	Solid	8270E	777805
460-234192-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	777805

Leach Batch: 778046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	1311	
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	1311	
LB 460-778046/1-B	Method Blank	TCLP	Solid	1311	

Analysis Batch: 778059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-778093/1-A	Method Blank	Total/NA	Solid	8270E	778093
LCS 460-778093/2-A	Lab Control Sample	Total/NA	Solid	8270E	778093
LCSD 460-778093/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778093

Analysis Batch: 778063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	8270E	777833
460-234139-4	WC-18 (0-5)	TCLP	Solid	8270E	777833
LB 460-777826/1-B	Method Blank	TCLP	Solid	8270E	777833

Prep Batch: 778093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	3510C	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	3510C	778046
LB 460-778046/1-B	Method Blank	TCLP	Solid	3510C	778046
MB 460-778093/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778093/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778093/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 778165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	3510C	778215
460-234327-2	WC-20 (0-5)	TCLP	Solid	3510C	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	3510C	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	3510C	778215
LB 460-778215/1-B	Method Blank	TCLP	Solid	3510C	778215
MB 460-778165/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778165/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778165/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 778174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3546	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3546	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3546	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 778174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-778174/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778174/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778174/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234417-A-5-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234417-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 778197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-778165/1-A	Method Blank	Total/NA	Solid	8270E	778165
LCS 460-778165/2-A	Lab Control Sample	Total/NA	Solid	8270E	778165
LCSD 460-778165/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778165

Analysis Batch: 778201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	8270E	778093
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	8270E	778093
LB 460-778046/1-B	Method Blank	TCLP	Solid	8270E	778093

Analysis Batch: 778204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	8270E	778174
460-234327-2	WC-20 (0-5)	Total/NA	Solid	8270E	778174
460-234327-3	WC-12 (0-5)	Total/NA	Solid	8270E	778174
MB 460-778174/1-A	Method Blank	Total/NA	Solid	8270E	778174
LCS 460-778174/2-A	Lab Control Sample	Total/NA	Solid	8270E	778174
LCSD 460-778174/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778174
460-234417-A-5-A MS	Matrix Spike	Total/NA	Solid	8270E	778174
460-234417-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	778174

Leach Batch: 778215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	1311	
460-234327-2	WC-20 (0-5)	TCLP	Solid	1311	
460-234327-3	WC-12 (0-5)	TCLP	Solid	1311	
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	1311	
LB 460-778215/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 778271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3546	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3546	
MB 460-778271/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778271/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778271/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234354-E-2-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234354-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 778315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	8270E	778165
460-234327-2	WC-20 (0-5)	TCLP	Solid	8270E	778165

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Analysis Batch: 778315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-3	WC-12 (0-5)	TCLP	Solid	8270E	778165
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	8270E	778165
LB 460-778215/1-B	Method Blank	TCLP	Solid	8270E	778165

Analysis Batch: 778324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	8270E	778174

Analysis Batch: 778330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	8270E	778271
460-234446-4	CA-1 (0-2)	Total/NA	Solid	8270E	778271
MB 460-778271/1-A	Method Blank	Total/NA	Solid	8270E	778271
LCS 460-778271/2-A	Lab Control Sample	Total/NA	Solid	8270E	778271
LCSD 460-778271/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778271
460-234354-E-2-A MS	Matrix Spike	Total/NA	Solid	8270E	778271
460-234354-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	778271

Leach Batch: 778334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	1311	
460-234446-4	CA-1 (0-2)	TCLP	Solid	1311	
LB 460-778334/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 778419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	3510C	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	3510C	778334
LB 460-778334/1-E	Method Blank	TCLP	Solid	3510C	778334
MB 460-778419/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778419/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778419/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 778499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	8270E	778419
460-234446-4	CA-1 (0-2)	TCLP	Solid	8270E	778419
LB 460-778334/1-E	Method Blank	TCLP	Solid	8270E	778419
MB 460-778419/1-A	Method Blank	Total/NA	Solid	8270E	778419
LCS 460-778419/2-A	Lab Control Sample	Total/NA	Solid	8270E	778419
LCSD 460-778419/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778419

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Prep Batch: 777283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3546	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3546	
MB 460-777283/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777283/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777283/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

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Prep Batch: 777288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3546	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3546	
MB 460-777288/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777288/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777288/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 777319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	8151A	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	8151A	
MB 460-777319/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-777319/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-777319/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-234049-1 MS	WC-9 (0-5)	Total/NA	Solid	8151A	
460-234049-1 MSD	WC-9 (0-5)	Total/NA	Solid	8151A	

Analysis Batch: 777342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	8081B	777288
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	8081B	777288
MB 460-777288/1-A	Method Blank	Total/NA	Solid	8081B	777288
LCS 460-777288/2-A	Lab Control Sample	Total/NA	Solid	8081B	777288
LCSD 460-777288/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	777288

Analysis Batch: 777355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	8082A	777283
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	8082A	777283
MB 460-777283/1-A	Method Blank	Total/NA	Solid	8082A	777283
LCS 460-777283/2-A	Lab Control Sample	Total/NA	Solid	8082A	777283
LCSD 460-777283/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	777283

Analysis Batch: 777449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	8151A	777319
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	8151A	777319
MB 460-777319/1-A	Method Blank	Total/NA	Solid	8151A	777319
LCS 460-777319/2-A	Lab Control Sample	Total/NA	Solid	8151A	777319
LCSD 460-777319/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	777319
460-234049-1 MS	WC-9 (0-5)	Total/NA	Solid	8151A	777319
460-234049-1 MSD	WC-9 (0-5)	Total/NA	Solid	8151A	777319

Prep Batch: 777456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3546	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3546	
MB 460-777456/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777456/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777456/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

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Leach Batch: 777574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	1311	
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	1311	
LB 460-777574/1-E	Method Blank	TCLP	Solid	1311	
LB 460-777574/1-H	Method Blank	TCLP	Solid	1311	

Analysis Batch: 777651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	8081B	777718
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	8081B	777718
LB 460-777574/1-E	Method Blank	TCLP	Solid	8081B	777718
MB 460-777718/1-A	Method Blank	Total/NA	Solid	8081B	777718
LCS 460-777718/2-A	Lab Control Sample	Total/NA	Solid	8081B	777718
LCSD 460-777718/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	777718

Analysis Batch: 777686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	NJDEP EPH	777456
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	NJDEP EPH	777456
MB 460-777456/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	777456
LCS 460-777456/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	777456
LCSD 460-777456/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	777456

Prep Batch: 777711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3546	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3546	
MB 460-777711/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777711/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777711/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 777718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	3510C	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	3510C	777574
LB 460-777574/1-E	Method Blank	TCLP	Solid	3510C	777574
MB 460-777718/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777718/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777718/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 777819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3546	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3546	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3546	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3546	
MB 460-777819/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777819/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777819/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234220-G-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-234220-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

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Prep Batch: 777822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3546	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3546	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3546	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3546	
MB 460-777822/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777822/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777822/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234122-F-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-234122-F-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 777826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	1311	
460-234139-4	WC-18 (0-5)	TCLP	Solid	1311	
LB 460-777826/1-C	Method Blank	TCLP	Solid	1311	
LB 460-777826/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 777853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	8151A	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	8151A	777574
LB 460-777574/1-H	Method Blank	TCLP	Solid	8151A	777574
MB 460-777853/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-777853/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-777853/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 777862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	8081B	777822
460-234139-4	WC-18 (0-5)	Total/NA	Solid	8081B	777822
460-234204-1	WC-11 (0-5)	Total/NA	Solid	8081B	777822
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	8081B	777822
MB 460-777822/1-A	Method Blank	Total/NA	Solid	8081B	777822
LCS 460-777822/2-A	Lab Control Sample	Total/NA	Solid	8081B	777822
LCSD 460-777822/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	777822
460-234122-F-1-D MS	Matrix Spike	Total/NA	Solid	8081B	777822
460-234122-F-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	777822

Analysis Batch: 777890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	8082A	777819
460-234139-4	WC-18 (0-5)	Total/NA	Solid	8082A	777819
460-234204-1	WC-11 (0-5)	Total/NA	Solid	8082A	777819
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	8082A	777819
MB 460-777819/1-A	Method Blank	Total/NA	Solid	8082A	777819
LCS 460-777819/2-A	Lab Control Sample	Total/NA	Solid	8082A	777819
LCSD 460-777819/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	777819
460-234220-G-1-B MS	Matrix Spike	Total/NA	Solid	8082A	777819
460-234220-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	777819

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Analysis Batch: 777942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	NJDEP EPH	777711
460-234139-4	WC-18 (0-5)	Total/NA	Solid	NJDEP EPH	777711
MB 460-777711/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	777711
LCS 460-777711/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	777711
LCSD 460-777711/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	777711

Analysis Batch: 777947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-777574/1-H	Method Blank	TCLP	Solid	8151A	777853
MB 460-777853/1-A	Method Blank	Total/NA	Solid	8151A	777853
LCS 460-777853/2-A	Lab Control Sample	Total/NA	Solid	8151A	777853
LCSD 460-777853/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	777853

Analysis Batch: 777948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	8151A	777853
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	8151A	777853

Prep Batch: 777967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3546	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3546	
MB 460-777967/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-777967/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-777967/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 777969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	3510C	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	3510C	777826
LB 460-777826/1-C	Method Blank	TCLP	Solid	3510C	777826
MB 460-777969/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-777969/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-777969/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Leach Batch: 778046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	1311	
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	1311	
LB 460-778046/1-D	Method Blank	TCLP	Solid	1311	
LB 460-778046/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 778085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	8151A	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	8151A	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	8151A	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	8151A	
MB 460-778085/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-778085/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-778085/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

GC Semi VOA (Continued)

Prep Batch: 778085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-4 MS	WC-18 (0-5)	Total/NA	Solid	8151A	
460-234139-4 MSD	WC-18 (0-5)	Total/NA	Solid	8151A	

Prep Batch: 778107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	8151A	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	8151A	777826
LB 460-777826/1-F	Method Blank	TCLP	Solid	8151A	777826
MB 460-778107/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-778107/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-778107/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 778147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	NJDEP EPH	777967
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	NJDEP EPH	777967
MB 460-777967/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	777967
LCS 460-777967/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	777967
LCSD 460-777967/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	777967

Prep Batch: 778168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	3510C	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	3510C	778046
LB 460-778046/1-D	Method Blank	TCLP	Solid	3510C	778046
MB 460-778168/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778168/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778168/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 778175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3546	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3546	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3546	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3546	
MB 460-778175/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778175/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778175/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234318-H-8-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234318-H-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 778176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3546	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3546	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3546	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3546	
MB 460-778176/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778176/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778176/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

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Leach Batch: 778215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	1311	
460-234327-2	WC-20 (0-5)	TCLP	Solid	1311	
460-234327-3	WC-12 (0-5)	TCLP	Solid	1311	
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	1311	
LB 460-778215/1-D	Method Blank	TCLP	Solid	1311	
LB 460-778215/1-G	Method Blank	TCLP	Solid	1311	

Prep Batch: 778275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	3510C	778215
460-234327-2	WC-20 (0-5)	TCLP	Solid	3510C	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	3510C	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	3510C	778215
LB 460-778215/1-G	Method Blank	TCLP	Solid	3510C	778215
MB 460-778275/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778275/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778275/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 778277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3546	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3546	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3546	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3546	
MB 460-778277/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778277/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778277/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 778280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3546	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3546	
MB 460-778280/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778280/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778280/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234456-C-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234456-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 778281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3546	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3546	
MB 460-778281/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778281/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778281/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 778293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	8082A	778175
460-234327-2	WC-20 (0-5)	Total/NA	Solid	8082A	778175
460-234327-3	WC-12 (0-5)	Total/NA	Solid	8082A	778175

GC Semi VOA (Continued)

Analysis Batch: 778293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	8082A	778175
MB 460-778175/1-A	Method Blank	Total/NA	Solid	8082A	778175
LCS 460-778175/2-A	Lab Control Sample	Total/NA	Solid	8082A	778175
LCSD 460-778175/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	778175
460-234318-H-8-A MS	Matrix Spike	Total/NA	Solid	8082A	778175
460-234318-H-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	778175

Analysis Batch: 778297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	8081B	778168
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	8081B	778168
LB 460-778046/1-D	Method Blank	TCLP	Solid	8081B	778168
MB 460-778168/1-A	Method Blank	Total/NA	Solid	8081B	778168
LCS 460-778168/2-A	Lab Control Sample	Total/NA	Solid	8081B	778168
LCSD 460-778168/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	778168

Analysis Batch: 778300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	8081B	777969
460-234139-4	WC-18 (0-5)	TCLP	Solid	8081B	777969
LB 460-777826/1-C	Method Blank	TCLP	Solid	8081B	777969
MB 460-777969/1-A	Method Blank	Total/NA	Solid	8081B	777969
LCS 460-777969/2-A	Lab Control Sample	Total/NA	Solid	8081B	777969
LCSD 460-777969/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	777969

Analysis Batch: 778303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	8151A	778107
460-234139-2	WC-10 (0-5)	Total/NA	Solid	8151A	778085
460-234139-4	WC-18 (0-5)	TCLP	Solid	8151A	778107
460-234204-1	WC-11 (0-5)	Total/NA	Solid	8151A	778085
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	8151A	778085

Analysis Batch: 778333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	NJDEP EPH	778277
460-234327-2	WC-20 (0-5)	Total/NA	Solid	NJDEP EPH	778277
460-234327-3	WC-12 (0-5)	Total/NA	Solid	NJDEP EPH	778277
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	NJDEP EPH	778277

Leach Batch: 778334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	1311	
460-234446-4	CA-1 (0-2)	TCLP	Solid	1311	
LB 460-778334/1-G	Method Blank	TCLP	Solid	1311	

Prep Batch: 778341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	8151A	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	8151A	778046
460-234327-1	WC-19 (0-5)	TCLP	Solid	8151A	778215

GC Semi VOA (Continued)

Prep Batch: 778341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-2	WC-20 (0-5)	TCLP	Solid	8151A	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	8151A	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	8151A	778215
LB 460-778046/1-F	Method Blank	TCLP	Solid	8151A	778046
LB 460-778215/1-D	Method Blank	TCLP	Solid	8151A	778215
MB 460-778341/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-778341/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-778341/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 778342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	8151A	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	8151A	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	8151A	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	8151A	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	8151A	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	8151A	
MB 460-778342/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-778342/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-778342/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-234319-C-1-C MS	Matrix Spike	Total/NA	Solid	8151A	
460-234319-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Analysis Batch: 778345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	8081B	778176
460-234327-2	WC-20 (0-5)	Total/NA	Solid	8081B	778176
460-234327-3	WC-12 (0-5)	Total/NA	Solid	8081B	778176
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	8081B	778176
460-234446-2	WC-13 (0-5)	Total/NA	Solid	8081B	778281
460-234446-4	CA-1 (0-2)	Total/NA	Solid	8081B	778281
MB 460-778176/1-A	Method Blank	Total/NA	Solid	8081B	778176
MB 460-778281/1-A	Method Blank	Total/NA	Solid	8081B	778281
LCS 460-778176/2-A	Lab Control Sample	Total/NA	Solid	8081B	778176
LCS 460-778281/2-A	Lab Control Sample	Total/NA	Solid	8081B	778281
LCSD 460-778176/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	778176
LCSD 460-778281/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	778281

Analysis Batch: 778352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	8081B	778275
460-234327-2	WC-20 (0-5)	TCLP	Solid	8081B	778275
460-234327-3	WC-12 (0-5)	TCLP	Solid	8081B	778275
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	8081B	778275
LB 460-778215/1-G	Method Blank	TCLP	Solid	8081B	778275
MB 460-778275/1-A	Method Blank	Total/NA	Solid	8081B	778275
LCS 460-778275/2-A	Lab Control Sample	Total/NA	Solid	8081B	778275
LCSD 460-778275/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	778275

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Analysis Batch: 778394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	8082A	778280
460-234446-4	CA-1 (0-2)	Total/NA	Solid	8082A	778280
MB 460-778280/1-A	Method Blank	Total/NA	Solid	8082A	778280
LCS 460-778280/2-A	Lab Control Sample	Total/NA	Solid	8082A	778280
LCSD 460-778280/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	778280
460-234456-C-1-A MS	Matrix Spike	Total/NA	Solid	8082A	778280
460-234456-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	778280

Analysis Batch: 778402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-778277/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	778277
LCS 460-778277/4-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	778277
LCSD 460-778277/5-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	778277

Analysis Batch: 778407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-4	WC-18 (0-5)	Total/NA	Solid	8151A	778085
LB 460-777826/1-F	Method Blank	TCLP	Solid	8151A	778107
MB 460-778085/1-A	Method Blank	Total/NA	Solid	8151A	778085
MB 460-778107/1-A	Method Blank	Total/NA	Solid	8151A	778107
LCS 460-778085/2-A	Lab Control Sample	Total/NA	Solid	8151A	778085
LCS 460-778107/2-A	Lab Control Sample	Total/NA	Solid	8151A	778107
LCSD 460-778085/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	778085
LCSD 460-778107/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	778107
460-234139-4 MS	WC-18 (0-5)	Total/NA	Solid	8151A	778085
460-234139-4 MSD	WC-18 (0-5)	Total/NA	Solid	8151A	778085

Prep Batch: 778417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	3510C	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	3510C	778334
MB 460-778417/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-778417/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-778417/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 778425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3546	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3546	
MB 460-778425/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778425/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778425/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 778557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	8151A	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	8151A	778334
LB 460-778334/1-G	Method Blank	TCLP	Solid	8151A	778334
MB 460-778557/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-778557/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-778557/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

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Analysis Batch: 778561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	8081B	778417
460-234446-4	CA-1 (0-2)	TCLP	Solid	8081B	778417
MB 460-778417/1-A	Method Blank	Total/NA	Solid	8081B	778417
LCS 460-778417/2-A	Lab Control Sample	Total/NA	Solid	8081B	778417
LCSD 460-778417/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	778417

Analysis Batch: 778618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	NJDEP EPH	778425
460-234446-4	CA-1 (0-2)	Total/NA	Solid	NJDEP EPH	778425
MB 460-778425/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	778425
LCS 460-778425/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	778425
LCSD 460-778425/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	778425

Analysis Batch: 778647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	8151A	778342
460-234327-2	WC-20 (0-5)	Total/NA	Solid	8151A	778342
460-234327-3	WC-12 (0-5)	Total/NA	Solid	8151A	778342
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	8151A	778342
460-234446-2	WC-13 (0-5)	Total/NA	Solid	8151A	778342
460-234446-4	CA-1 (0-2)	Total/NA	Solid	8151A	778342
MB 460-778342/1-A	Method Blank	Total/NA	Solid	8151A	778342
LCS 460-778342/2-A	Lab Control Sample	Total/NA	Solid	8151A	778342
LCSD 460-778342/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	778342
460-234319-C-1-C MS	Matrix Spike	Total/NA	Solid	8151A	778342
460-234319-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	778342

Analysis Batch: 778648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	8151A	778341
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	8151A	778341
460-234327-1	WC-19 (0-5)	TCLP	Solid	8151A	778341
460-234327-2	WC-20 (0-5)	TCLP	Solid	8151A	778341
460-234327-3	WC-12 (0-5)	TCLP	Solid	8151A	778341
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	8151A	778341
LB 460-778046/1-F	Method Blank	TCLP	Solid	8151A	778341
LB 460-778215/1-D	Method Blank	TCLP	Solid	8151A	778341
MB 460-778341/1-A	Method Blank	Total/NA	Solid	8151A	778341
LCS 460-778341/2-A	Lab Control Sample	Total/NA	Solid	8151A	778341
LCSD 460-778341/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	778341

Analysis Batch: 778702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	8151A	778557
460-234446-4	CA-1 (0-2)	TCLP	Solid	8151A	778557
LB 460-778334/1-G	Method Blank	TCLP	Solid	8151A	778557
MB 460-778557/1-A	Method Blank	Total/NA	Solid	8151A	778557
LCS 460-778557/2-A	Lab Control Sample	Total/NA	Solid	8151A	778557
LCSD 460-778557/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	778557

Metals

Leach Batch: 777574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	1311	
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	1311	
LB 460-777574/1-F ^5	Method Blank	TCLP	Solid	1311	
LB 460-777574/1-J	Method Blank	TCLP	Solid	1311	
460-234105-F-1-I MS	Matrix Spike	TCLP	Solid	1311	
460-234113-A-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-234105-F-1-H DU	Duplicate	TCLP	Solid	1311	
460-234113-A-1-I DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 777619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7471B	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7471B	
MB 460-777619/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-777619/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-233416-A-9-N MS	Matrix Spike	Total/NA	Solid	7471B	
460-233416-A-9-O MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-233416-A-9-M DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 777719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7471B	777619
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7471B	777619
MB 460-777619/1-A	Method Blank	Total/NA	Solid	7471B	777619
LCSSRM 460-777619/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	777619
460-233416-A-9-N MS	Matrix Spike	Total/NA	Solid	7471B	777619
460-233416-A-9-O MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	777619
460-233416-A-9-M DU	Duplicate	Total/NA	Solid	7471B	777619

Prep Batch: 777811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	3010A	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	3010A	777574
LB 460-777574/1-F ^5	Method Blank	TCLP	Solid	3010A	777574
MB 460-777811/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-777811/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234113-A-1-J MS	Matrix Spike	TCLP	Solid	3010A	777574
460-234113-A-1-I DU	Duplicate	TCLP	Solid	3010A	777574

Leach Batch: 777826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	1311	
460-234139-4	WC-18 (0-5)	TCLP	Solid	1311	
LB 460-777826/1-D	Method Blank	TCLP	Solid	1311	
LB 460-777826/1-G ^5	Method Blank	TCLP	Solid	1311	

Prep Batch: 777870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7471B	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7471B	
MB 460-777870/10-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 777870 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-777870/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-233145-A-10-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-233145-A-10-G DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 777968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7471B	777870
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7471B	777870
MB 460-777870/10-A	Method Blank	Total/NA	Solid	7471B	777870
LCSSRM 460-777870/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	777870
460-233145-A-10-H MS	Matrix Spike	Total/NA	Solid	7471B	777870
460-233145-A-10-G DU	Duplicate	Total/NA	Solid	7471B	777870

Prep Batch: 778003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	7470A	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	7470A	777574
460-234139-2	WC-10 (0-5)	TCLP	Solid	7470A	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	7470A	777826
LB 460-777574/1-J	Method Blank	TCLP	Solid	7470A	777574
LB 460-777826/1-D	Method Blank	TCLP	Solid	7470A	777826
MB 460-778003/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-778003/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234105-F-1-I MS	Matrix Spike	TCLP	Solid	7470A	777574
460-234105-F-1-H DU	Duplicate	TCLP	Solid	7470A	777574

Analysis Batch: 778032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	7470A	778003
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	7470A	778003
460-234139-2	WC-10 (0-5)	TCLP	Solid	7470A	778003
460-234139-4	WC-18 (0-5)	TCLP	Solid	7470A	778003
LB 460-777574/1-J	Method Blank	TCLP	Solid	7470A	778003
LB 460-777826/1-D	Method Blank	TCLP	Solid	7470A	778003
MB 460-778003/1-A	Method Blank	Total/NA	Solid	7470A	778003
LCS 460-778003/2-A	Lab Control Sample	Total/NA	Solid	7470A	778003
460-234105-F-1-I MS	Matrix Spike	TCLP	Solid	7470A	778003
460-234105-F-1-H DU	Duplicate	TCLP	Solid	7470A	778003

Leach Batch: 778046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	1311	
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	1311	
LB 460-778046/1-E ^5	Method Blank	TCLP	Solid	1311	
LB 460-778046/1-G	Method Blank	TCLP	Solid	1311	
460-234235-A-1-E MS	Matrix Spike	TCLP	Solid	1311	
460-234235-A-1-D DU	Duplicate	TCLP	Solid	1311	

Leach Batch: 778215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 778215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-2	WC-20 (0-5)	TCLP	Solid	1311	
460-234327-3	WC-12 (0-5)	TCLP	Solid	1311	
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	1311	
LB 460-778215/1-E	Method Blank	TCLP	Solid	1311	
LB 460-778215/1-F ^5	Method Blank	TCLP	Solid	1311	
460-234282-G-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-234327-1 MS	WC-19 (0-5)	TCLP	Solid	1311	
460-234282-G-1-I DU	Duplicate	TCLP	Solid	1311	
460-234327-1 DU	WC-19 (0-5)	TCLP	Solid	1311	

Prep Batch: 778234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	3010A	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	3010A	777826
460-234204-1	WC-11 (0-5)	TCLP	Solid	3010A	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	3010A	778046
LB 460-777826/1-G ^5	Method Blank	TCLP	Solid	3010A	777826
LB 460-778046/1-E ^5	Method Blank	TCLP	Solid	3010A	778046
MB 460-778234/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-778234/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234235-A-1-E MS	Matrix Spike	TCLP	Solid	3010A	778046
460-234235-A-1-D DU	Duplicate	TCLP	Solid	3010A	778046

Analysis Batch: 778307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	6010D	778234
460-234139-4	WC-18 (0-5)	TCLP	Solid	6010D	778234
460-234204-1	WC-11 (0-5)	TCLP	Solid	6010D	778234
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	6010D	778234
LB 460-777826/1-G ^5	Method Blank	TCLP	Solid	6010D	778234
LB 460-778046/1-E ^5	Method Blank	TCLP	Solid	6010D	778234
MB 460-778234/1-A	Method Blank	Total/NA	Solid	6010D	778234
LCS 460-778234/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	778234
460-234235-A-1-E MS	Matrix Spike	TCLP	Solid	6010D	778234
460-234235-A-1-D DU	Duplicate	TCLP	Solid	6010D	778234

Leach Batch: 778334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	1311	
460-234446-4	CA-1 (0-2)	TCLP	Solid	1311	
LB 460-778334/1-F	Method Blank	TCLP	Solid	1311	
LB 460-778334/1-H ^5	Method Blank	TCLP	Solid	1311	

Prep Batch: 778343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3050B	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3050B	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3050B	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3050B	
MB 460-778343/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-778343/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 778343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233602-B-1-D MS	Matrix Spike	Total/NA	Solid	3050B	
460-233602-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
460-233602-A-1-C DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 778351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7471B	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7471B	
MB 460-778351/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-778351/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-233379-A-6-F MS	Matrix Spike	Total/NA	Solid	7471B	
460-233379-B-6-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-233379-B-6-J DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 778357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7471B	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7471B	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7471B	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7471B	
MB 460-778357/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-778357/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-234001-A-37-L MS	Matrix Spike	Total/NA	Solid	7471B	
460-234001-A-37-M MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-234001-A-37-K DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 778362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3050B	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3050B	
MB 460-778362/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-778362/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-234129-B-12-F MS	Matrix Spike	Total/NA	Solid	3050B	
460-234129-B-12-E DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 778432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7471B	778351
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7471B	778351
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7471B	778357
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7471B	778357
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7471B	778357
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7471B	778357
MB 460-778351/10-A	Method Blank	Total/NA	Solid	7471B	778351
MB 460-778357/1-A	Method Blank	Total/NA	Solid	7471B	778357
LCSSRM 460-778351/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	778351
LCSSRM 460-778357/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	778357
460-233379-A-6-F MS	Matrix Spike	Total/NA	Solid	7471B	778351
460-233379-B-6-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	778351
460-234001-A-37-L MS	Matrix Spike	Total/NA	Solid	7471B	778357
460-234001-A-37-M MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	778357

Metals (Continued)

Analysis Batch: 778432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233379-B-6-J DU	Duplicate	Total/NA	Solid	7471B	778351
460-234001-A-37-K DU	Duplicate	Total/NA	Solid	7471B	778357

Analysis Batch: 778446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	6020B	778362
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	6020B	778362
MB 460-778362/1-A	Method Blank	Total/NA	Solid	6020B	778362
LCSSRM 460-778362/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	778362
460-234129-B-12-F MS	Matrix Spike	Total/NA	Solid	6020B	778362
460-234129-B-12-E DU	Duplicate	Total/NA	Solid	6020B	778362

Prep Batch: 778449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	7470A	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	7470A	778046
460-234327-1	WC-19 (0-5)	TCLP	Solid	7470A	778215
460-234327-2	WC-20 (0-5)	TCLP	Solid	7470A	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	7470A	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	7470A	778215
460-234446-2	WC-13 (0-5)	TCLP	Solid	7470A	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	7470A	778334
MB 460-778449/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-778449/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234327-1 MS	WC-19 (0-5)	TCLP	Solid	7470A	778215
460-234327-1 DU	WC-19 (0-5)	TCLP	Solid	7470A	778215

Prep Batch: 778451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-778046/1-G	Method Blank	TCLP	Solid	7470A	778046
LB 460-778215/1-E	Method Blank	TCLP	Solid	7470A	778215
LB 460-778334/1-F	Method Blank	TCLP	Solid	7470A	778334
MB 460-778451/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-778451/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 778464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	6020B	778343
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	6020B	778343
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	6020B	778343
460-234139-2	WC-10 (0-5)	Total/NA	Solid	6020B	778343
460-234139-4	WC-18 (0-5)	Total/NA	Solid	6020B	778343
MB 460-778343/1-A	Method Blank	Total/NA	Solid	6020B	778343
LCSSRM 460-778343/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	778343
460-233602-B-1-D MS	Matrix Spike	Total/NA	Solid	6020B	778343
460-233602-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	6020B	778343
460-233602-A-1-C DU	Duplicate	Total/NA	Solid	6020B	778343

Analysis Batch: 778510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	7470A	778449

Metals (Continued)

Analysis Batch: 778510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	7470A	778449
460-234327-1	WC-19 (0-5)	TCLP	Solid	7470A	778449
460-234327-2	WC-20 (0-5)	TCLP	Solid	7470A	778449
460-234327-3	WC-12 (0-5)	TCLP	Solid	7470A	778449
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	7470A	778449
460-234446-2	WC-13 (0-5)	TCLP	Solid	7470A	778449
460-234446-4	CA-1 (0-2)	TCLP	Solid	7470A	778449
LB 460-778046/1-G	Method Blank	TCLP	Solid	7470A	778451
LB 460-778215/1-E	Method Blank	TCLP	Solid	7470A	778451
LB 460-778334/1-F	Method Blank	TCLP	Solid	7470A	778451
MB 460-778449/1-A	Method Blank	Total/NA	Solid	7470A	778449
MB 460-778451/1-A	Method Blank	Total/NA	Solid	7470A	778451
LCS 460-778449/2-A	Lab Control Sample	Total/NA	Solid	7470A	778449
LCS 460-778451/2-A	Lab Control Sample	Total/NA	Solid	7470A	778451
460-234327-1 MS	WC-19 (0-5)	TCLP	Solid	7470A	778449
460-234327-1 DU	WC-19 (0-5)	TCLP	Solid	7470A	778449

Prep Batch: 778572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	3010A	778215
460-234327-2	WC-20 (0-5)	TCLP	Solid	3010A	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	3010A	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	3010A	778215
460-234446-2	WC-13 (0-5)	TCLP	Solid	3010A	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	3010A	778334
LB 460-778215/1-F ^5	Method Blank	TCLP	Solid	3010A	778215
LB 460-778334/1-H ^5	Method Blank	TCLP	Solid	3010A	778334
MB 460-778572/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-778572/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234282-G-1-J MS	Matrix Spike	TCLP	Solid	3010A	778215
460-234282-G-1-I DU	Duplicate	TCLP	Solid	3010A	778215

Prep Batch: 778574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7471B	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7471B	
MB 460-778574/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-778574/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-234318-G-9-G MS	Matrix Spike	Total/NA	Solid	7471B	
460-234318-G-9-F DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 778658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7471B	778574
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7471B	778574
MB 460-778574/1-A	Method Blank	Total/NA	Solid	7471B	778574
LCSSRM 460-778574/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	778574
460-234318-G-9-G MS	Matrix Spike	Total/NA	Solid	7471B	778574
460-234318-G-9-F DU	Duplicate	Total/NA	Solid	7471B	778574

Metals

Analysis Batch: 778669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	6010D	777811
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	6010D	777811
460-234327-1	WC-19 (0-5)	TCLP	Solid	6010D	778572
460-234327-2	WC-20 (0-5)	TCLP	Solid	6010D	778572
460-234327-3	WC-12 (0-5)	TCLP	Solid	6010D	778572
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	6010D	778572
460-234446-2	WC-13 (0-5)	TCLP	Solid	6010D	778572
460-234446-4	CA-1 (0-2)	TCLP	Solid	6010D	778572
LB 460-777574/1-F ^5	Method Blank	TCLP	Solid	6010D	777811
LB 460-778215/1-F ^5	Method Blank	TCLP	Solid	6010D	778572
LB 460-778334/1-H ^5	Method Blank	TCLP	Solid	6010D	778572
MB 460-777811/1-A	Method Blank	Total/NA	Solid	6010D	777811
MB 460-778572/1-A	Method Blank	Total/NA	Solid	6010D	778572
LCS 460-777811/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	777811
LCS 460-778572/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	778572
460-234113-A-1-J MS	Matrix Spike	TCLP	Solid	6010D	777811
460-234282-G-1-J MS	Matrix Spike	TCLP	Solid	6010D	778572
460-234113-A-1-I DU	Duplicate	TCLP	Solid	6010D	777811
460-234282-G-1-I DU	Duplicate	TCLP	Solid	6010D	778572

Prep Batch: 779068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3050B	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3050B	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3050B	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3050B	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3050B	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3050B	
MB 460-779068/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-779068/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-234453-H-3-E MS	Matrix Spike	Total/NA	Solid	3050B	
460-234453-H-3-D DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 779377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-778362/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	778362

Analysis Batch: 779404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	6020B	779068
460-234327-2	WC-20 (0-5)	Total/NA	Solid	6020B	779068
460-234327-3	WC-12 (0-5)	Total/NA	Solid	6020B	779068
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	6020B	779068
460-234446-2	WC-13 (0-5)	Total/NA	Solid	6020B	779068
460-234446-4	CA-1 (0-2)	Total/NA	Solid	6020B	779068
MB 460-779068/1-A	Method Blank	Total/NA	Solid	6020B	779068
LCSSRM 460-779068/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	779068
460-234453-H-3-E MS	Matrix Spike	Total/NA	Solid	6020B	779068
460-234453-H-3-D DU	Duplicate	Total/NA	Solid	6020B	779068

General Chemistry

Prep Batch: 126164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9071B	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9071B	
MB 410-126164/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-126164/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121279-D-1-E MS	Matrix Spike	Total/NA	Solid	9071B	
180-121279-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121279-D-1-G DU	Duplicate	Total/NA	Solid	9071B	

Leach Batch: 126367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	D3987-85	
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	D3987-85	
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	D3987-85	
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	D3987-85	
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 126526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9071B	126164
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9071B	126164
MB 410-126164/1-A	Method Blank	Total/NA	Solid	9071B	126164
LCS 410-126164/2-A	Lab Control Sample	Total/NA	Solid	9071B	126164
180-121279-D-1-E MS	Matrix Spike	Total/NA	Solid	9071B	126164
180-121279-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	126164
180-121279-D-1-G DU	Duplicate	Total/NA	Solid	9071B	126164

Leach Batch: 126755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 127252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	1664A	126367
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	1664A	126367
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	1664A	126367
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	1664A	126367
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	1664A	126367
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	1664A	126755
MB 410-127252/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-127252/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-127252/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-38999-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Prep Batch: 127807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9071B	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9071B	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9071B	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9071B	
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9071B	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9071B	

General Chemistry (Continued)

Prep Batch: 127807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9071B	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9071B	
MB 410-127807/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-127807/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121522-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	
180-121522-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121522-D-1-D DU	Duplicate	Total/NA	Solid	9071B	

Leach Batch: 128152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	D3987-85	
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	D3987-85	
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 128249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9071B	127807
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9071B	127807
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9071B	127807
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9071B	127807
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9071B	127807
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9071B	127807
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9071B	127807
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9071B	127807
MB 410-127807/1-A	Method Blank	Total/NA	Solid	9071B	127807
LCS 410-127807/2-A	Lab Control Sample	Total/NA	Solid	9071B	127807
180-121522-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	127807
180-121522-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	127807
180-121522-D-1-D DU	Duplicate	Total/NA	Solid	9071B	127807

Prep Batch: 129578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9071B	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9071B	
MB 410-129578/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-129578/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121677-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	
180-121677-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121677-D-1-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 129961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9071B	129578
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9071B	129578
MB 410-129578/1-A	Method Blank	Total/NA	Solid	9071B	129578
LCS 410-129578/2-A	Lab Control Sample	Total/NA	Solid	9071B	129578
180-121677-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	129578
180-121677-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	129578

General Chemistry (Continued)

Analysis Batch: 129961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-121677-D-1-D DU	Duplicate	Total/NA	Solid	9071B	129578

Analysis Batch: 130554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	1664A	128152
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	1664A	128152
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	1664A	128152
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	1664A	128152
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	1664A	128152
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	1664A	128152
MB 410-130554/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-130554/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-130554/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-40445-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 777395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	SM 2540G	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	SM 2540G	
MB 460-777395/1	Method Blank	Total/NA	Solid	SM 2540G	
460-234049-1 DU	WC-9 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 777458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9095B	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9095B	
460-233866-C-2 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 777473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	Moisture	
460-234049-2	WC-9B (7-9)	Total/NA	Solid	Moisture	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	Moisture	
460-233602-B-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-233602-B-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-234049-3 DU	WC-8_WC-9 (5-10)	Total/NA	Solid	Moisture	

Leach Batch: 777498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	D3987-85	
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	D3987-85	
LB 460-777498/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234049-1 MS	WC-9 (0-5)	ASTM Leach	Solid	D3987-85	
460-234049-1 MSD	WC-9 (0-5)	ASTM Leach	Solid	D3987-85	
460-234049-3 DU	WC-8_WC-9 (5-10)	ASTM Leach	Solid	D3987-85	

Leach Batch: 777574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	1311	
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	1311	

General Chemistry

Analysis Batch: 777726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-1	WC-10A (0-2)	Total/NA	Solid	Moisture	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	Moisture	
460-234139-3	WC-10B (7-9)	Total/NA	Solid	Moisture	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	Moisture	
460-234139-5	WC-18A (0-2)	Total/NA	Solid	Moisture	
460-233652-D-24 DU	Duplicate	Total/NA	Solid	Moisture	

Prep Batch: 777737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9012B	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9012B	
MB 460-777737/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-777737/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-234048-A-8-E MS	Matrix Spike	Total/NA	Solid	9012B	
460-234048-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 777738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	Moisture	
460-234204-2	WC-11A (0-2)	Total/NA	Solid	Moisture	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	Moisture	
460-234129-B-8 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 777776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	SM 2540B	777498
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	SM 2540B	777498
LB 460-777498/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	777498
MB 460-777776/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-777776/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-777776/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-234049-3 DU	WC-8_WC-9 (5-10)	ASTM Leach	Solid	SM 2540B	777498

Prep Batch: 777791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7.3.4	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7.3.4	
MB 460-777791/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-777791/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-233790-F-1-B MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-233790-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 777792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7.3.3	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7.3.3	
MB 460-777792/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-777792/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-233790-F-1-E DU	Duplicate	Total/NA	Solid	7.3.3	

General Chemistry

Analysis Batch: 777794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9034	777791
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9034	777791
MB 460-777791/1-A	Method Blank	Total/NA	Solid	9034	777791
LCSSRM 460-777791/3-A	Lab Control Sample	Total/NA	Solid	9034	777791
460-233790-F-1-B MS	Matrix Spike	Total/NA	Solid	9034	777791
460-233790-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	777791

Analysis Batch: 777798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9014	777792
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9014	777792
MB 460-777792/1-A	Method Blank	Total/NA	Solid	9014	777792
LCS 460-777792/2-A	Lab Control Sample	Total/NA	Solid	9014	777792
460-233790-F-1-E DU	Duplicate	Total/NA	Solid	9014	777792

Analysis Batch: 777809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	410.4	777498
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	410.4	777498
LB 460-777498/1-A	Method Blank	ASTM Leach	Solid	410.4	777498
MB 460-777809/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-777809/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-777809/3	Lab Control Sample	Total/NA	Solid	410.4	

Leach Batch: 777823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	D3987-85	
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-777823/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 777826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	TCLP	Solid	1311	
460-234139-4	WC-18 (0-5)	TCLP	Solid	1311	

Analysis Batch: 778013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	SM 2540B	777823
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	SM 2540B	777823
LB 460-777823/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	777823
MB 460-778013/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-778013/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-778013/3	Lab Control Sample	Total/NA	Solid	SM 2540B	

Analysis Batch: 778018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	SM 2540G	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	SM 2540G	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	SM 2540G	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	SM 2540G	
MB 460-778018/1	Method Blank	Total/NA	Solid	SM 2540G	

General Chemistry (Continued)

Analysis Batch: 778018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2 DU	WC-10 (0-5)	Total/NA	Solid	SM 2540G	

Prep Batch: 778020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7.3.4	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7.3.4	
MB 460-778020/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-778020/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-233652-D-1-B MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-233652-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 778021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7.3.3	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7.3.3	
MB 460-778021/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-778021/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-233652-D-1-E DU	Duplicate	Total/NA	Solid	7.3.3	

Prep Batch: 778030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9012B	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9012B	
MB 460-778030/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-778030/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-233652-D-15-D MS	Matrix Spike	Total/NA	Solid	9012B	
460-233652-D-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 778034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9034	778020
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9034	778020
MB 460-778020/1-A	Method Blank	Total/NA	Solid	9034	778020
LCSSRM 460-778020/3-A	Lab Control Sample	Total/NA	Solid	9034	778020
460-233652-D-1-B MS	Matrix Spike	Total/NA	Solid	9034	778020
460-233652-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	778020

Analysis Batch: 778035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9014	778021
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9014	778021
MB 460-778021/1-A	Method Blank	Total/NA	Solid	9014	778021
LCS 460-778021/2-A	Lab Control Sample	Total/NA	Solid	9014	778021
460-233652-D-1-E DU	Duplicate	Total/NA	Solid	9014	778021

Leach Batch: 778043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	D3987-85	
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	D3987-85	
LB 460-778043/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

General Chemistry

Leach Batch: 778046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	TCLP	Solid	1311	
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	1311	

Prep Batch: 778149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3060A	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3060A	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3060A	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3060A	
MB 460-778149/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-778149/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-778149/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233756-F-10-M MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233756-F-10-N MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233756-F-10-L DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 778170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	1030	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	1030	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	1030	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	1030	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	1030	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	1030	
460-234049-1 DU	WC-9 (0-5)	Total/NA	Solid	1030	

Analysis Batch: 778171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9095B	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9095B	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9095B	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9095B	
460-233652-C-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 778179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	410.4	777823
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	410.4	777823
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	410.4	778043
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	410.4	778043
LB 460-777823/1-A	Method Blank	ASTM Leach	Solid	410.4	777823
LB 460-778043/1-A	Method Blank	ASTM Leach	Solid	410.4	778043
MB 460-778179/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-778179/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-778179/3	Lab Control Sample	Total/NA	Solid	410.4	

Analysis Batch: 778183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9012B	777737
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9012B	777737
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9012B	778030

General Chemistry (Continued)

Analysis Batch: 778183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9012B	778030
MB 460-777737/1-A	Method Blank	Total/NA	Solid	9012B	777737
MB 460-778030/1-A	Method Blank	Total/NA	Solid	9012B	778030
LCSSRM 460-777737/2-A	Lab Control Sample	Total/NA	Solid	9012B	777737
LCSSRM 460-778030/2-A	Lab Control Sample	Total/NA	Solid	9012B	778030
460-233652-D-15-D MS	Matrix Spike	Total/NA	Solid	9012B	778030
460-233652-D-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	778030
460-234048-A-8-E MS	Matrix Spike	Total/NA	Solid	9012B	777737
460-234048-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	777737

Leach Batch: 778214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	D3987-85	
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	D3987-85	
LB 460-778214/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 778215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	TCLP	Solid	1311	
460-234327-2	WC-20 (0-5)	TCLP	Solid	1311	
460-234327-3	WC-12 (0-5)	TCLP	Solid	1311	
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	1311	

Analysis Batch: 778252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234139-2	WC-10 (0-5)	Total/NA	Solid	9045D	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	9045D	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9045D	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9045D	
MB 460-778252/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-778252/3	Lab Control Sample	Total/NA	Solid	9045D	
460-233792-A-1 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 778254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	9045D	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	9045D	
MB 460-778254/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-778254/3	Lab Control Sample	Total/NA	Solid	9045D	
460-234105-G-1 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 778276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7196A	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7196A	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7196A	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7196A	
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7196A	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7196A	

General Chemistry (Continued)

Analysis Batch: 778276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7196A	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7196A	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7196A	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7196A	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7196A	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7196A	

Leach Batch: 778334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	TCLP	Solid	1311	
460-234446-4	CA-1 (0-2)	TCLP	Solid	1311	

Leach Batch: 778336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-778336/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 778337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	D3987-85	
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	D3987-85	
LB 460-778337/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 778381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7196A	778149
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7196A	778149
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7196A	778149
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7196A	778149
MB 460-778149/1-A	Method Blank	Total/NA	Solid	7196A	778149
LCSI 460-778149/3-A	Lab Control Sample	Total/NA	Solid	7196A	778149
LCSSRM 460-778149/2-A	Lab Control Sample	Total/NA	Solid	7196A	778149
460-233756-F-10-M MSS	Matrix Spike	Total/NA	Solid	7196A	778149
460-233756-F-10-N MSI	Matrix Spike	Total/NA	Solid	7196A	778149
460-233756-F-10-L DU	Duplicate	Total/NA	Solid	7196A	778149

Analysis Batch: 778397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	SM 2540B	778043
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	SM 2540B	778043
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	SM 2540B	778214
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	SM 2540B	778214
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	SM 2540B	778214
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	SM 2540B	778214
LB 460-778043/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	778043
LB 460-778214/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	778214
MB 460-778397/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-778397/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-778397/3	Lab Control Sample	Total/NA	Solid	SM 2540B	

General Chemistry

Analysis Batch: 778401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	SM 2540G	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	SM 2540G	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	SM 2540G	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	SM 2540G	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	SM 2540G	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	SM 2540G	
460-234327-1 DU	WC-19 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 778420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	TCLP	Solid	9040C	777574
460-234049-3	WC-8_WC-9 (5-10)	TCLP	Solid	9040C	777574
460-234139-2	WC-10 (0-5)	TCLP	Solid	9040C	777826
460-234139-4	WC-18 (0-5)	TCLP	Solid	9040C	777826
460-234204-1	WC-11 (0-5)	TCLP	Solid	9040C	778046
460-234204-3	WC-10_WC-11 (5-10)	TCLP	Solid	9040C	778046
460-234327-1	WC-19 (0-5)	TCLP	Solid	9040C	778215
460-234327-2	WC-20 (0-5)	TCLP	Solid	9040C	778215
460-234327-3	WC-12 (0-5)	TCLP	Solid	9040C	778215
460-234327-8	WC-12_WC-13 (5-10)	TCLP	Solid	9040C	778215
460-234446-2	WC-13 (0-5)	TCLP	Solid	9040C	778334
460-234446-4	CA-1 (0-2)	TCLP	Solid	9040C	778334

Analysis Batch: 778514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	ASTM Leach	Solid	4500 NH3 H	777498
460-234049-3	WC-8_WC-9 (5-10)	ASTM Leach	Solid	4500 NH3 H	777498
460-234139-2	WC-10 (0-5)	ASTM Leach	Solid	4500 NH3 H	777823
460-234139-4	WC-18 (0-5)	ASTM Leach	Solid	4500 NH3 H	777823
460-234204-1	WC-11 (0-5)	ASTM Leach	Solid	4500 NH3 H	778043
460-234204-3	WC-10_WC-11 (5-10)	ASTM Leach	Solid	4500 NH3 H	778043
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	4500 NH3 H	778214
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	4500 NH3 H	778214
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	4500 NH3 H	778214
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	4500 NH3 H	778214
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	4500 NH3 H	778337
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	4500 NH3 H	778337
LB 460-777498/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	777498
LB 460-777823/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	777823
LB 460-778043/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	778043
LB 460-778214/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	778214
LB 460-778337/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	778337
MB 460-778514/180	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-778514/181	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-778514/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-234049-1 MS	WC-9 (0-5)	ASTM Leach	Solid	4500 NH3 H	777498
460-234049-1 MSD	WC-9 (0-5)	ASTM Leach	Solid	4500 NH3 H	777498

Analysis Batch: 778679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-1	WC-13B (0-2)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 778679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	Moisture	
460-234446-3	CA-1C (0-2)	Total/NA	Solid	Moisture	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	Moisture	
460-234446-5	WC-14A (0-2)	Total/NA	Solid	Moisture	
460-234443-E-12 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 778689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	Moisture	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	Moisture	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	Moisture	
460-234327-4	WC-19A (0-2)	Total/NA	Solid	Moisture	
460-234327-5	WC-20A (0-2)	Total/NA	Solid	Moisture	
460-234327-6	WC-12D (0-2)	Total/NA	Solid	Moisture	
460-234327-7	WC-12C (6-8)	Total/NA	Solid	Moisture	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	Moisture	
460-234352-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 778691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	1030	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	1030	
460-233901-C-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 778697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-3	WC-12 (0-5)	Total/NA	Solid	1030	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	1030	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	1030	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	1030	
460-234327-3 DU	WC-12 (0-5)	Total/NA	Solid	1030	

Analysis Batch: 778703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	SM 2540B	778337
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	SM 2540B	778337
LB 460-778336/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	778336
MB 460-778703/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-778703/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-778703/3	Lab Control Sample	Total/NA	Solid	SM 2540B	

Analysis Batch: 778928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	ASTM Leach	Solid	410.4	778214
460-234327-2	WC-20 (0-5)	ASTM Leach	Solid	410.4	778214
460-234327-3	WC-12 (0-5)	ASTM Leach	Solid	410.4	778214
460-234327-8	WC-12_WC-13 (5-10)	ASTM Leach	Solid	410.4	778214
460-234446-2	WC-13 (0-5)	ASTM Leach	Solid	410.4	778337
460-234446-4	CA-1 (0-2)	ASTM Leach	Solid	410.4	778337
LB 460-778214/1-A	Method Blank	ASTM Leach	Solid	410.4	778214
LB 460-778337/1-A	Method Blank	ASTM Leach	Solid	410.4	778337

General Chemistry (Continued)

Analysis Batch: 778928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-778928/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-778928/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-778928/3	Lab Control Sample	Total/NA	Solid	410.4	
460-234065-A-2 MS	Matrix Spike	Total/NA	Solid	410.4	
460-234065-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Prep Batch: 779038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9012B	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9012B	
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9012B	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9012B	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9012B	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9012B	
MB 460-779038/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-779038/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-234204-1 MS	WC-11 (0-5)	Total/NA	Solid	9012B	
460-234204-1 MSD	WC-11 (0-5)	Total/NA	Solid	9012B	

Prep Batch: 779042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9012B	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9012B	
MB 460-779042/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-779042/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-234453-G-26-F MS	Matrix Spike	Total/NA	Solid	9012B	
460-234453-G-26-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Leach Batch: 779144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Soluble	Solid	DI Leach	
460-234049-3	WC-8_WC-9 (5-10)	Soluble	Solid	DI Leach	
460-234139-2	WC-10 (0-5)	Soluble	Solid	DI Leach	
460-234139-4	WC-18 (0-5)	Soluble	Solid	DI Leach	
460-234204-1	WC-11 (0-5)	Soluble	Solid	DI Leach	
460-234204-3	WC-10_WC-11 (5-10)	Soluble	Solid	DI Leach	
460-234327-1	WC-19 (0-5)	Soluble	Solid	DI Leach	
460-234327-2	WC-20 (0-5)	Soluble	Solid	DI Leach	
460-234327-3	WC-12 (0-5)	Soluble	Solid	DI Leach	
460-234327-8	WC-12_WC-13 (5-10)	Soluble	Solid	DI Leach	
460-234446-2	WC-13 (0-5)	Soluble	Solid	DI Leach	
460-234446-4	CA-1 (0-2)	Soluble	Solid	DI Leach	

Analysis Batch: 779146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Soluble	Solid	9040C	779144
460-234049-3	WC-8_WC-9 (5-10)	Soluble	Solid	9040C	779144
460-234139-2	WC-10 (0-5)	Soluble	Solid	9040C	779144
460-234139-4	WC-18 (0-5)	Soluble	Solid	9040C	779144
460-234204-1	WC-11 (0-5)	Soluble	Solid	9040C	779144
460-234204-3	WC-10_WC-11 (5-10)	Soluble	Solid	9040C	779144

General Chemistry (Continued)

Analysis Batch: 779146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Soluble	Solid	9040C	779144
460-234327-2	WC-20 (0-5)	Soluble	Solid	9040C	779144
460-234327-3	WC-12 (0-5)	Soluble	Solid	9040C	779144
460-234327-8	WC-12_WC-13 (5-10)	Soluble	Solid	9040C	779144
460-234446-2	WC-13 (0-5)	Soluble	Solid	9040C	779144
460-234446-4	CA-1 (0-2)	Soluble	Solid	9040C	779144

Analysis Batch: 779189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9095B	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9095B	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9095B	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9095B	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9095B	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9095B	
460-234046-G-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 779228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9045D	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9045D	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9045D	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9045D	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9045D	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9045D	
MB 460-779228/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-779228/3	Lab Control Sample	Total/NA	Solid	9045D	
460-234046-G-1 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 779261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9012B	779038
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9012B	779038
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9012B	779038
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9012B	779038
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9012B	779038
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9012B	779038
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9012B	779042
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9012B	779042
MB 460-779038/1-A	Method Blank	Total/NA	Solid	9012B	779038
MB 460-779042/1-A	Method Blank	Total/NA	Solid	9012B	779042
LCSSRM 460-779038/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	779038
LCSSRM 460-779042/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	779042
460-234204-1 MS	WC-11 (0-5)	Total/NA	Solid	9012B	779038
460-234204-1 MSD	WC-11 (0-5)	Total/NA	Solid	9012B	779038
460-234453-G-26-F MS	Matrix Spike	Total/NA	Solid	9012B	779042
460-234453-G-26-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	779042

Prep Batch: 779262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 779262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7.3.4	
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7.3.4	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7.3.4	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7.3.4	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7.3.4	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7.3.4	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7.3.4	
MB 460-779262/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-779262/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-234446-2 MS	WC-13 (0-5)	Total/NA	Solid	7.3.4	
460-234446-2 MSD	WC-13 (0-5)	Total/NA	Solid	7.3.4	

Prep Batch: 779265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7.3.3	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7.3.3	
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7.3.3	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7.3.3	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7.3.3	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7.3.3	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7.3.3	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7.3.3	
MB 460-779265/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-779265/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-234446-2 DU	WC-13 (0-5)	Total/NA	Solid	7.3.3	

Analysis Batch: 779269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9034	779262
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9034	779262
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9034	779262
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9034	779262
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9034	779262
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9034	779262
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9034	779262
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9034	779262
MB 460-779262/1-A	Method Blank	Total/NA	Solid	9034	779262
LCSSRM 460-779262/3-A	Lab Control Sample	Total/NA	Solid	9034	779262
460-234446-2 MS	WC-13 (0-5)	Total/NA	Solid	9034	779262
460-234446-2 MSD	WC-13 (0-5)	Total/NA	Solid	9034	779262

Analysis Batch: 779270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	9014	779265
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	9014	779265
460-234327-1	WC-19 (0-5)	Total/NA	Solid	9014	779265
460-234327-2	WC-20 (0-5)	Total/NA	Solid	9014	779265
460-234327-3	WC-12 (0-5)	Total/NA	Solid	9014	779265
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	9014	779265
460-234446-2	WC-13 (0-5)	Total/NA	Solid	9014	779265
460-234446-4	CA-1 (0-2)	Total/NA	Solid	9014	779265

General Chemistry (Continued)

Analysis Batch: 779270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779265/1-A	Method Blank	Total/NA	Solid	9014	779265
LCS 460-779265/2-A	Lab Control Sample	Total/NA	Solid	9014	779265
460-234446-2 DU	WC-13 (0-5)	Total/NA	Solid	9014	779265

Prep Batch: 779527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	3060A	
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	3060A	
460-234327-1	WC-19 (0-5)	Total/NA	Solid	3060A	
460-234327-2	WC-20 (0-5)	Total/NA	Solid	3060A	
460-234327-3	WC-12 (0-5)	Total/NA	Solid	3060A	
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	3060A	
460-234446-2	WC-13 (0-5)	Total/NA	Solid	3060A	
460-234446-4	CA-1 (0-2)	Total/NA	Solid	3060A	
MB 460-779527/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-779527/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-779527/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-779527/4-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233635-H-13-H MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233635-H-13-I MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233635-H-13-G DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 779856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234204-1	WC-11 (0-5)	Total/NA	Solid	7196A	779527
460-234204-3	WC-10_WC-11 (5-10)	Total/NA	Solid	7196A	779527
460-234327-1	WC-19 (0-5)	Total/NA	Solid	7196A	779527
460-234327-2	WC-20 (0-5)	Total/NA	Solid	7196A	779527
460-234327-3	WC-12 (0-5)	Total/NA	Solid	7196A	779527
460-234327-8	WC-12_WC-13 (5-10)	Total/NA	Solid	7196A	779527
460-234446-2	WC-13 (0-5)	Total/NA	Solid	7196A	779527
460-234446-4	CA-1 (0-2)	Total/NA	Solid	7196A	779527
MB 460-779527/1-A	Method Blank	Total/NA	Solid	7196A	779527
LCSI 460-779527/3-A	Lab Control Sample	Total/NA	Solid	7196A	779527
LCSSRM 460-779527/2-A	Lab Control Sample	Total/NA	Solid	7196A	779527
LCSSRM 460-779527/4-A	Lab Control Sample	Total/NA	Solid	7196A	779527
460-233635-H-13-H MSS	Matrix Spike	Total/NA	Solid	7196A	779527
460-233635-H-13-I MSI	Matrix Spike	Total/NA	Solid	7196A	779527
460-233635-H-13-G DU	Duplicate	Total/NA	Solid	7196A	779527

Prep Batch: 780094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	3060A	
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	3060A	
460-234139-2	WC-10 (0-5)	Total/NA	Solid	3060A	
460-234139-4	WC-18 (0-5)	Total/NA	Solid	3060A	
MB 460-780094/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-780094/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-780094/2-A	Lab Control Sample	Total/NA	Solid	3060A	
XLCSSRM 460-780094/4-A (	Lab Control Sample	Total/NA	Solid	3060A	
460-233756-F-8-T MSS	Matrix Spike	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 780094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233756-F-8-U MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233756-F-8-S DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 780149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234049-1	WC-9 (0-5)	Total/NA	Solid	7196A	780094
460-234049-3	WC-8_WC-9 (5-10)	Total/NA	Solid	7196A	780094
460-234139-2	WC-10 (0-5)	Total/NA	Solid	7196A	780094
460-234139-4	WC-18 (0-5)	Total/NA	Solid	7196A	780094
MB 460-780094/1-A	Method Blank	Total/NA	Solid	7196A	780094
LCSI 460-780094/3-A	Lab Control Sample	Total/NA	Solid	7196A	780094
LCSSRM 460-780094/2-A	Lab Control Sample	Total/NA	Solid	7196A	780094
XLCSSRM 460-780094/4-A (	Lab Control Sample	Total/NA	Solid	7196A	780094
460-233756-F-8-T MSS	Matrix Spike	Total/NA	Solid	7196A	780094
460-233756-F-8-U MSI	Matrix Spike	Total/NA	Solid	7196A	780094
460-233756-F-8-S DU	Duplicate	Total/NA	Solid	7196A	780094

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-9 (0-5)

Date Collected: 05/10/21 10:55
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777710	05/13/21 10:18	DXB	TAL EDI
TCLP	Analysis	8270E		1	777847	05/14/21 07:58	YAH	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777718	05/13/21 10:57	OTS	TAL EDI
TCLP	Analysis	8081B		1	777651	05/14/21 09:53	FAM	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			777853	05/13/21 23:50	AFR	TAL EDI
TCLP	Analysis	8151A		1	777948	05/14/21 12:27	JHP	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			777811	05/13/21 17:30	GAE	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 12:36	CDC	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778003	05/14/21 13:45	RBS	TAL EDI
TCLP	Analysis	7470A		1	778032	05/14/21 15:05	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777809	05/13/21 18:09	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 16:57	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/25/21 13:29	TJW	TAL EDI
Total/NA	Prep	7.3.3			777792	05/13/21 16:58	YAH	TAL EDI
Total/NA	Analysis	9014		1	777798	05/13/21 17:04	YAH	TAL EDI
Total/NA	Prep	7.3.4			777791	05/13/21 16:54	YAH	TAL EDI
Total/NA	Analysis	9034		1	777794	05/13/21 17:02	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/12/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/13/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778254	05/16/21 12:26	AAP	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	777473	05/12/21 12:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	777776	05/13/21 16:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	777395	05/12/21 07:41	PLS	TAL EDI

Client Sample ID: WC-9 (0-5)
Lab Sample ID: 460-234049-1

Date Collected: 05/10/21 10:55
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777317	05/11/21 22:11	AFR	TAL EDI
Total/NA	Analysis	8270E		1	777445	05/12/21 19:07	CAZ	TAL EDI
Total/NA	Prep	3546			777288	05/11/21 18:41	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777342	05/12/21 13:34	FAM	TAL EDI
Total/NA	Prep	3546			777283	05/11/21 18:07	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777355	05/12/21 07:56	JHP	TAL EDI
Total/NA	Prep	8151A			777319	05/11/21 22:14	AFR	TAL EDI
Total/NA	Analysis	8151A		1	777449	05/12/21 12:10	CDC	TAL EDI
Total/NA	Prep	3546			777456	05/12/21 11:01	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	777686	05/13/21 16:22	CDC	TAL EDI
Total/NA	Prep	3050B			778343	05/17/21 02:34	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778464	05/17/21 13:50	MDC	TAL EDI
Total/NA	Prep	7471B			777619	05/13/21 03:24	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777719	05/13/21 08:09	TJS	TAL EDI
Total/NA	Prep	3060A			778149	05/15/21 09:20	RPC	TAL EDI
Total/NA	Analysis	7196A		1	778381	05/17/21 14:13	RPC	TAL EDI
Total/NA	Prep	3060A			780094	05/25/21 08:02	RPC	TAL EDI
Total/NA	Analysis	7196A		1	780149	05/25/21 15:52	RPC	TAL EDI
Total/NA	Prep	9012B			777737	05/13/21 14:02	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778183	05/15/21 15:07	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-9B (7-9)
Lab Sample ID: 460-234049-2

Date Collected: 05/10/21 10:35
Matrix: Solid
Date Received: 05/10/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777402	05/12/21 07:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	777661	05/13/21 15:59	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777473	05/12/21 12:43	MMC	TAL EDI

Client Sample ID: WC-9B (7-9)
Lab Sample ID: 460-234049-2

Date Collected: 05/10/21 10:35
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			777294	05/11/21 18:49	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777625	05/13/21 09:54	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-8_WC-9 (5-10)

Date Collected: 05/10/21 10:45
Date Received: 05/10/21 18:30

Lab Sample ID: 460-234049-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777710	05/13/21 10:18	DXB	TAL EDI
TCLP	Analysis	8270E		1	777847	05/14/21 08:21	YAH	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777718	05/13/21 10:57	OTS	TAL EDI
TCLP	Analysis	8081B		1	777651	05/14/21 10:09	FAM	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			777853	05/13/21 23:50	AFR	TAL EDI
TCLP	Analysis	8151A		1	777948	05/14/21 12:42	JHP	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			777811	05/13/21 17:30	GAE	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 12:48	CDC	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778003	05/14/21 13:45	RBS	TAL EDI
TCLP	Analysis	7470A		1	778032	05/14/21 15:07	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	777809	05/13/21 18:09	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:09	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/25/21 13:29	TJW	TAL EDI
Total/NA	Prep	7.3.3			777792	05/13/21 16:58	YAH	TAL EDI
Total/NA	Analysis	9014		1	777798	05/13/21 17:04	YAH	TAL EDI
Total/NA	Prep	7.3.4			777791	05/13/21 16:54	YAH	TAL EDI
Total/NA	Analysis	9034		1	777794	05/13/21 17:02	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/12/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			777574	05/12/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/13/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778254	05/16/21 12:28	AAP	TAL EDI
Total/NA	Analysis	9095B		1	777458	05/12/21 11:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	777473	05/12/21 12:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777498	05/12/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	777776	05/13/21 16:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	777395	05/12/21 07:41	PLS	TAL EDI

Client Sample ID: WC-8_WC-9 (5-10)

Lab Sample ID: 460-234049-3
Date Collected: 05/10/21 10:45
Matrix: Solid
Date Received: 05/10/21 18:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777317	05/11/21 22:11	AFR	TAL EDI
Total/NA	Analysis	8270E		1	777445	05/12/21 18:45	CAZ	TAL EDI
Total/NA	Prep	3546			777288	05/11/21 18:41	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777342	05/12/21 13:49	FAM	TAL EDI
Total/NA	Prep	3546			777283	05/11/21 18:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777355	05/12/21 08:13	JHP	TAL EDI
Total/NA	Prep	8151A			777319	05/11/21 22:14	AFR	TAL EDI
Total/NA	Analysis	8151A		1	777449	05/12/21 12:23	CDC	TAL EDI
Total/NA	Prep	3546			777456	05/12/21 11:01	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	777686	05/13/21 16:36	CDC	TAL EDI
Total/NA	Prep	3050B			778343	05/17/21 02:34	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778464	05/17/21 13:52	MDC	TAL EDI
Total/NA	Prep	3050B			778343	05/17/21 02:34	GMC	TAL EDI
Total/NA	Analysis	6020B		5	778464	05/17/21 14:03	MDC	TAL EDI
Total/NA	Prep	7471B			777619	05/13/21 03:24	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777719	05/13/21 08:11	TJS	TAL EDI
Total/NA	Prep	3060A			778149	05/15/21 09:20	RPC	TAL EDI
Total/NA	Analysis	7196A		1	778381	05/17/21 14:13	RPC	TAL EDI
Total/NA	Prep	3060A			780094	05/25/21 08:02	RPC	TAL EDI
Total/NA	Analysis	7196A		1	780149	05/25/21 15:52	RPC	TAL EDI
Total/NA	Prep	9012B			777737	05/13/21 14:04	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778183	05/15/21 15:08	HTV	TAL EDI
Total/NA	Prep	9071B			126164	05/13/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	126526	05/14/21 13:23	UYB0	ELLE

Client Sample ID: WC-10A (0-2)

Lab Sample ID: 460-234139-1
Date Collected: 05/11/21 08:45
Matrix: Solid
Date Received: 05/11/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777621	05/13/21 04:08	BJB	TAL EDI
TCLP	Analysis	8260D		10	777922	05/14/21 15:54	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777726	05/13/21 11:41	MMC	TAL EDI

Client Sample ID: WC-10A (0-2)

Lab Sample ID: 460-234139-1
Date Collected: 05/11/21 08:45
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			777528	05/12/21 16:09	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777883	05/14/21 13:45	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10 (0-5)

Date Collected: 05/11/21 10:10
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777833	05/14/21 09:46	JMS	TAL EDI
TCLP	Analysis	8270E		1	778063	05/15/21 03:53	YAH	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777969	05/14/21 10:39	OTS	TAL EDI
TCLP	Analysis	8081B		1	778300	05/16/21 22:08	FAM	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778107	05/15/21 02:00	AFR	TAL EDI
TCLP	Analysis	8151A		1	778303	05/16/21 17:10	JHP	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778234	05/15/21 21:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	778307	05/16/21 22:12	CDC	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778003	05/14/21 13:45	RBS	TAL EDI
TCLP	Analysis	7470A		1	778032	05/14/21 15:09	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778179	05/15/21 14:58	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:11	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/25/21 13:32	TJW	TAL EDI
Total/NA	Prep	7.3.3			778021	05/14/21 15:01	YAH	TAL EDI
Total/NA	Analysis	9014		1	778035	05/14/21 16:52	YAH	TAL EDI
Total/NA	Prep	7.3.4			778020	05/14/21 14:58	YAH	TAL EDI
Total/NA	Analysis	9034		1	778034	05/14/21 16:49	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/13/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/14/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778252	05/16/21 14:04	AAP	TAL EDI
Total/NA	Analysis	9095B		1	778171	05/15/21 13:50	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	777726	05/13/21 11:41	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778013	05/14/21 14:33	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778018	05/14/21 14:57	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-10 (0-5)
Lab Sample ID: 460-234139-2
Date Collected: 05/11/21 10:10
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777564	05/12/21 18:38	GXY	TAL EDI
Total/NA	Analysis	8270E		1	777674	05/13/21 20:52	MDJ	TAL EDI
Total/NA	Prep	3546			777822	05/13/21 19:09	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777862	05/14/21 08:21	FAM	TAL EDI
Total/NA	Prep	3546			777819	05/13/21 19:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777890	05/14/21 10:30	JHP	TAL EDI
Total/NA	Prep	8151A			778085	05/14/21 20:49	JMS	TAL EDI
Total/NA	Analysis	8151A		1	778303	05/16/21 15:35	JHP	TAL EDI
Total/NA	Prep	3546			777711	05/13/21 10:24	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	777942	05/14/21 16:20	VMI	TAL EDI
Total/NA	Prep	3050B			778343	05/17/21 02:34	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778464	05/17/21 14:40	MDC	TAL EDI
Total/NA	Prep	7471B			777870	05/14/21 03:09	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777968	05/14/21 07:39	TJS	TAL EDI
Total/NA	Prep	3060A			778149	05/15/21 09:20	RPC	TAL EDI
Total/NA	Analysis	7196A		1	778381	05/17/21 14:17	RPC	TAL EDI
Total/NA	Prep	3060A			780094	05/25/21 08:02	RPC	TAL EDI
Total/NA	Analysis	7196A		1	780149	05/25/21 15:55	RPC	TAL EDI
Total/NA	Prep	9012B			778030	05/14/21 15:55	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778183	05/15/21 14:37	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-10B (7-9)
Lab Sample ID: 460-234139-3
Date Collected: 05/11/21 11:30
Matrix: Solid
Date Received: 05/11/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777621	05/13/21 04:08	BJB	TAL EDI
TCLP	Analysis	8260D		10	777922	05/14/21 16:19	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777726	05/13/21 11:41	MMC	TAL EDI

Client Sample ID: WC-10B (7-9)
Lab Sample ID: 460-234139-3
Date Collected: 05/11/21 11:30
Matrix: Solid
Date Received: 05/11/21 20:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			777528	05/12/21 16:11	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777883	05/14/21 14:09	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-18 (0-5)

Date Collected: 05/11/21 12:15
Date Received: 05/11/21 20:00

Lab Sample ID: 460-234139-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777833	05/14/21 09:46	JMS	TAL EDI
TCLP	Analysis	8270E		1	778063	05/15/21 04:17	YAH	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			777969	05/14/21 10:39	OTS	TAL EDI
TCLP	Analysis	8081B		1	778300	05/16/21 22:22	FAM	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778107	05/15/21 02:00	AFR	TAL EDI
TCLP	Analysis	8151A		1	778303	05/16/21 17:24	JHP	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778234	05/15/21 21:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	778307	05/16/21 22:16	CDC	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778003	05/14/21 13:45	RBS	TAL EDI
TCLP	Analysis	7470A		1	778032	05/14/21 15:10	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778179	05/15/21 14:58	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:12	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/25/21 13:32	TJW	TAL EDI
Total/NA	Prep	7.3.3			778021	05/14/21 15:01	YAH	TAL EDI
Total/NA	Analysis	9014		1	778035	05/14/21 16:52	YAH	TAL EDI
Total/NA	Prep	7.3.4			778020	05/14/21 14:58	YAH	TAL EDI
Total/NA	Analysis	9034		1	778034	05/14/21 16:49	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/13/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			777826	05/13/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/14/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778252	05/16/21 14:07	AAP	TAL EDI
Total/NA	Analysis	9095B		1	778171	05/15/21 13:55	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	777726	05/13/21 11:41	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			777823	05/13/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778013	05/14/21 14:33	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778018	05/14/21 14:57	PLS	TAL EDI

Client Sample ID: WC-18 (0-5)

Lab Sample ID: 460-234139-4

Date Collected: 05/11/21 12:15

Matrix: Solid

Date Received: 05/11/21 20:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777564	05/12/21 18:38	GXY	TAL EDI
Total/NA	Analysis	8270E		1	777689	05/13/21 21:16	MDJ	TAL EDI
Total/NA	Prep	3546			777822	05/13/21 19:09	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777862	05/14/21 08:33	FAM	TAL EDI
Total/NA	Prep	3546			777819	05/13/21 19:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777890	05/14/21 10:49	JHP	TAL EDI
Total/NA	Prep	8151A			778085	05/14/21 20:49	JMS	TAL EDI
Total/NA	Analysis	8151A		1	778407	05/17/21 10:52	JHP	TAL EDI
Total/NA	Prep	3546			777711	05/13/21 10:24	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	777942	05/14/21 16:35	VMI	TAL EDI
Total/NA	Prep	3050B			778343	05/17/21 02:34	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778464	05/17/21 14:42	MDC	TAL EDI
Total/NA	Prep	7471B			777870	05/14/21 03:09	TJS	TAL EDI
Total/NA	Analysis	7471B		1	777968	05/14/21 07:41	TJS	TAL EDI
Total/NA	Prep	3060A			778149	05/15/21 09:20	RPC	TAL EDI
Total/NA	Analysis	7196A		1	778381	05/17/21 14:17	RPC	TAL EDI
Total/NA	Prep	3060A			780094	05/25/21 08:02	RPC	TAL EDI
Total/NA	Analysis	7196A		1	780149	05/25/21 15:55	RPC	TAL EDI
Total/NA	Prep	9012B			778030	05/14/21 15:55	AAP	TAL EDI
Total/NA	Analysis	9012B		1	778183	05/15/21 14:38	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-18A (0-2)

Lab Sample ID: 460-234139-5

Date Collected: 05/11/21 12:20

Matrix: Solid

Date Received: 05/11/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777621	05/13/21 04:08	BJB	TAL EDI
TCLP	Analysis	8260D		10	777922	05/14/21 16:45	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	777726	05/13/21 11:41	MMC	TAL EDI

Client Sample ID: WC-18A (0-2)

Lab Sample ID: 460-234139-5

Date Collected: 05/11/21 12:20

Matrix: Solid

Date Received: 05/11/21 20:00

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			777528	05/12/21 16:12	YXG	TAL EDI
Total/NA	Analysis	8260D		1	777883	05/14/21 14:32	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-11 (0-5)

Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778093	05/15/21 06:32	JMS	TAL EDI
TCLP	Analysis	8270E		1	778201	05/15/21 23:54	YAH	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778168	05/15/21 13:34	ATF	TAL EDI
TCLP	Analysis	8081B		1	778297	05/16/21 22:12	FAM	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 10:47	JHP	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778234	05/15/21 21:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	778307	05/16/21 22:20	CDC	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126367	05/14/21 14:28	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778179	05/15/21 14:58	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:38	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/14/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/15/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778252	05/16/21 15:38	AAP	TAL EDI
Total/NA	Analysis	9095B		1	778171	05/15/21 13:55	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	777738	05/13/21 13:21	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778018	05/14/21 14:57	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-11 (0-5)

Date Collected: 05/12/21 08:15
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-1

Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777805	05/13/21 18:07	GXY	TAL EDI
Total/NA	Analysis	8270E		1	777903	05/14/21 17:36	MDJ	TAL EDI
Total/NA	Prep	3546			777822	05/13/21 19:09	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777862	05/14/21 08:45	FAM	TAL EDI
Total/NA	Prep	3546			777819	05/13/21 19:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777890	05/14/21 11:09	JHP	TAL EDI
Total/NA	Prep	8151A			778085	05/14/21 20:49	JMS	TAL EDI
Total/NA	Analysis	8151A		1	778303	05/16/21 15:49	JHP	TAL EDI
Total/NA	Prep	3546			777967	05/14/21 10:34	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778147	05/15/21 14:52	KMH	TAL EDI
Total/NA	Prep	3050B			778362	05/17/21 05:20	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778446	05/17/21 23:21	MDC	TAL EDI
Total/NA	Prep	7471B			778351	05/17/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 07:41	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:38	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-11A (0-2)

Date Collected: 05/12/21 08:20
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			777876	05/14/21 04:06	BJB	TAL EDI
TCLP	Analysis	8260D		10	778255	05/17/21 01:49	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	777738	05/13/21 13:21	MMC	TAL EDI

Client Sample ID: WC-11A (0-2)

Date Collected: 05/12/21 08:20
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-2

Matrix: Solid
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			777775	05/13/21 15:32	YXG	TAL EDI
Total/NA	Analysis	8260D		1	778221	05/16/21 02:22	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10_WC-11 (5-10)

Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778093	05/15/21 06:32	JMS	TAL EDI
TCLP	Analysis	8270E		1	778201	05/16/21 00:16	YAH	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778168	05/15/21 13:34	ATF	TAL EDI
TCLP	Analysis	8081B		1	778297	05/16/21 22:27	FAM	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 11:01	JHP	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778234	05/15/21 21:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	778307	05/16/21 22:24	CDC	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:31	RBS	TAL EDI
Total/NA	Analysis	1030		1	778170	05/15/21 13:40	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			126755	05/15/21 14:13	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	127252	05/17/21 17:39	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778179	05/15/21 14:58	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:39	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/14/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778046	05/14/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/15/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	778252	05/16/21 14:00	AAP	TAL EDI
Total/NA	Analysis	9095B		1	778171	05/15/21 14:00	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	777738	05/13/21 13:21	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778043	05/14/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778018	05/14/21 14:57	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-10_WC-11 (5-10)

Date Collected: 05/12/21 11:10
Date Received: 05/12/21 18:30

Lab Sample ID: 460-234204-3

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			777805	05/13/21 18:07	GXY	TAL EDI
Total/NA	Analysis	8270E		1	777903	05/14/21 17:53	MDJ	TAL EDI
Total/NA	Prep	3546			777822	05/13/21 19:09	ARA	TAL EDI
Total/NA	Analysis	8081B		1	777862	05/14/21 08:57	FAM	TAL EDI
Total/NA	Prep	3546			777819	05/13/21 19:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	777890	05/14/21 11:28	JHP	TAL EDI
Total/NA	Prep	8151A			778085	05/14/21 20:49	JMS	TAL EDI
Total/NA	Analysis	8151A		1	778303	05/16/21 16:03	JHP	TAL EDI
Total/NA	Prep	3546			777967	05/14/21 10:34	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	778147	05/15/21 15:05	KMH	TAL EDI
Total/NA	Prep	3050B			778362	05/17/21 05:20	GMC	TAL EDI
Total/NA	Analysis	6020B		1	778446	05/17/21 23:23	MDC	TAL EDI
Total/NA	Prep	7471B			778351	05/17/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 07:43	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:40	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-19 (0-5)

Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778165	05/16/21 07:20	ATF	TAL EDI
TCLP	Analysis	8270E		1	778315	05/17/21 03:36	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778275	05/16/21 12:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	778352	05/17/21 06:10	FAM	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 14:09	JHP	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 15:40	CDC	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:15	RBS	TAL EDI
Total/NA	Analysis	1030		1	778691	05/18/21 14:00	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-19 (0-5)

Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:15	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/15/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/16/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:15	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: WC-19 (0-5)

Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1

Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778174	05/15/21 14:23	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	778204	05/16/21 01:27	YAH	TAL EDI
Total/NA	Prep	3546			778176	05/15/21 14:31	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 07:47	FAM	TAL EDI
Total/NA	Prep	3546			778175	05/15/21 14:27	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778293	05/16/21 20:31	DXB	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 11:42	JHP	TAL EDI
Total/NA	Prep	3546			778277	05/16/21 13:22	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778333	05/16/21 22:03	VMI	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 11:41	MDC	TAL EDI
Total/NA	Prep	7471B			778357	05/17/21 04:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 09:35	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:45	HTV	TAL EDI

Client Sample ID: WC-19 (0-5)

Date Collected: 05/13/21 08:30
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-1

Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-20 (0-5)

Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778165	05/16/21 07:20	ATF	TAL EDI
TCLP	Analysis	8270E		1	778315	05/17/21 03:58	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778275	05/16/21 12:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	778352	05/17/21 06:25	FAM	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 14:24	JHP	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 15:44	CDC	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:46	RBS	TAL EDI
Total/NA	Analysis	1030		1	778691	05/18/21 14:00	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:17	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/15/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/16/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:18	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: WC-20 (0-5)
Date Collected: 05/13/21 08:40
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-2
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778174	05/15/21 14:23	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	778204	05/16/21 01:10	YAH	TAL EDI
Total/NA	Prep	3546			778176	05/15/21 14:31	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 08:00	FAM	TAL EDI
Total/NA	Prep	3546			778175	05/15/21 14:27	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778293	05/16/21 20:51	DXB	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 11:56	JHP	TAL EDI
Total/NA	Prep	3546			778277	05/16/21 13:22	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778333	05/16/21 22:17	VMI	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 11:43	MDC	TAL EDI
Total/NA	Prep	7471B			778357	05/17/21 04:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 09:37	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:45	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-12 (0-5)
Date Collected: 05/13/21 12:45
Date Received: 05/13/21 18:30

Lab Sample ID: 460-234327-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778165	05/16/21 07:20	ATF	TAL EDI
TCLP	Analysis	8270E		1	778315	05/17/21 04:19	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778275	05/16/21 12:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	778352	05/17/21 06:40	FAM	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 14:40	JHP	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 15:48	CDC	TAL EDI

Client Sample ID: WC-12 (0-5)

Lab Sample ID: 460-234327-3

Date Collected: 05/13/21 12:45

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:48	RBS	TAL EDI
Total/NA	Analysis	1030		1	778697	05/18/21 14:08	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:18	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/15/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/16/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:19	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: WC-12 (0-5)

Lab Sample ID: 460-234327-3

Date Collected: 05/13/21 12:45

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778174	05/15/21 14:23	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	778204	05/16/21 00:53	YAH	TAL EDI
Total/NA	Prep	3546			778176	05/15/21 14:31	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 08:12	FAM	TAL EDI
Total/NA	Prep	3546			778175	05/15/21 14:27	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778293	05/16/21 21:10	DXB	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 12:41	JHP	TAL EDI
Total/NA	Prep	3546			778277	05/16/21 13:22	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778333	05/16/21 22:30	VMI	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 11:45	MDC	TAL EDI

Client Sample ID: WC-12 (0-5)

Lab Sample ID: 460-234327-3

Date Collected: 05/13/21 12:45

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			778357	05/17/21 04:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 09:39	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:53	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:46	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-19A (0-2)

Lab Sample ID: 460-234327-4

Date Collected: 05/13/21 08:35

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778123	05/15/21 05:36	BJB	TAL EDI
TCLP	Analysis	8260D		10	778255	05/16/21 21:31	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI

Client Sample ID: WC-19A (0-2)

Lab Sample ID: 460-234327-4

Date Collected: 05/13/21 08:35

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778089	05/14/21 20:58	AVM	TAL EDI
Total/NA	Analysis	8260D		1	778287	05/16/21 21:50	EMM	TAL EDI

Client Sample ID: WC-20A (0-2)

Lab Sample ID: 460-234327-5

Date Collected: 05/13/21 08:45

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778123	05/15/21 05:36	BJB	TAL EDI
TCLP	Analysis	8260D		10	778255	05/16/21 21:57	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI

Client Sample ID: WC-20A (0-2)

Lab Sample ID: 460-234327-5

Date Collected: 05/13/21 08:45

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778089	05/14/21 20:59	AVM	TAL EDI
Total/NA	Analysis	8260D		1	778287	05/16/21 22:14	EMM	TAL EDI

Client Sample ID: WC-12D (0-2)

Lab Sample ID: 460-234327-6

Date Collected: 05/13/21 10:55

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778123	05/15/21 05:36	BJB	TAL EDI
TCLP	Analysis	8260D		10	778255	05/16/21 22:23	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI

Client Sample ID: WC-12D (0-2)

Lab Sample ID: 460-234327-6

Date Collected: 05/13/21 10:55

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778089	05/14/21 21:00	AVM	TAL EDI
Total/NA	Analysis	8260D		1	778287	05/16/21 22:38	EMM	TAL EDI

Client Sample ID: WC-12C (6-8)

Lab Sample ID: 460-234327-7

Date Collected: 05/13/21 10:50

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778123	05/15/21 05:36	BJB	TAL EDI
TCLP	Analysis	8260D		10	778255	05/16/21 22:49	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI

Client Sample ID: WC-12C (6-8)

Lab Sample ID: 460-234327-7

Date Collected: 05/13/21 10:50

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778089	05/14/21 21:01	AVM	TAL EDI
Total/NA	Analysis	8260D		1	778287	05/16/21 23:03	EMM	TAL EDI

Client Sample ID: WC-12_WC-13 (5-10)

Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778165	05/16/21 07:20	ATF	TAL EDI
TCLP	Analysis	8270E		1	778315	05/17/21 04:41	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778275	05/16/21 12:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	778352	05/17/21 06:54	FAM	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778341	05/16/21 22:30	AFR	TAL EDI
TCLP	Analysis	8151A		1	778648	05/18/21 14:54	JHP	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 16:00	CDC	TAL EDI

Client Sample ID: WC-12_WC-13 (5-10)

Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55

Matrix: Solid

Date Received: 05/13/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:50	RBS	TAL EDI
Total/NA	Analysis	1030		1	778697	05/18/21 14:08	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:20	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/15/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778215	05/15/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/16/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:23	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778689	05/18/21 14:07	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778214	05/15/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778397	05/17/21 09:05	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: WC-12_WC-13 (5-10)

Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778174	05/15/21 14:23	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	778324	05/17/21 03:53	YAH	TAL EDI
Total/NA	Prep	3546			778176	05/15/21 14:31	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 08:24	FAM	TAL EDI
Total/NA	Prep	3546			778175	05/15/21 14:27	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778293	05/16/21 21:30	DXB	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 12:55	JHP	TAL EDI
Total/NA	Prep	3546			778277	05/16/21 13:22	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778333	05/16/21 22:44	VMI	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 12:06	MDC	TAL EDI

Client Sample ID: WC-12_WC-13 (5-10)

Lab Sample ID: 460-234327-8

Date Collected: 05/13/21 11:55

Matrix: Solid

Date Received: 05/13/21 18:30

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			778357	05/17/21 04:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778432	05/17/21 09:41	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779038	05/19/21 18:17	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 14:47	HTV	TAL EDI
Total/NA	Prep	9071B			127807	05/18/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	128249	05/19/21 12:55	UYB0	ELLE

Client Sample ID: WC-13B (0-2)

Lab Sample ID: 460-234446-1

Date Collected: 05/14/21 08:55

Matrix: Solid

Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778306	05/16/21 15:31	BJB	TAL EDI
TCLP	Analysis	8260D		10	779010	05/20/21 05:31	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778679	05/18/21 13:16	MMC	TAL EDI

Client Sample ID: WC-13B (0-2)

Lab Sample ID: 460-234446-1

Date Collected: 05/14/21 08:55

Matrix: Solid

Date Received: 05/14/21 18:30

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778182	05/15/21 15:06	YXG	TAL EDI
Total/NA	Analysis	8260D		1	778385	05/17/21 16:45	KLB	TAL EDI

Client Sample ID: WC-13 (0-5)

Lab Sample ID: 460-234446-2

Date Collected: 05/14/21 08:50

Matrix: Solid

Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778419	05/17/21 10:20	OTS	TAL EDI
TCLP	Analysis	8270E		1	778499	05/18/21 02:56	MME	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778417	05/17/21 10:16	OTS	TAL EDI
TCLP	Analysis	8081B		1	778561	05/18/21 03:34	FAM	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778557	05/17/21 22:55	AFR	TAL EDI
TCLP	Analysis	8151A		1	778702	05/18/21 16:43	JHP	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 16:21	CDC	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 14:57	RBS	TAL EDI

Client Sample ID: WC-13 (0-5)

Lab Sample ID: 460-234446-2

Date Collected: 05/14/21 08:50

Matrix: Solid

Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1030		1	778697	05/18/21 14:08	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:34	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/16/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/17/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:25	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778679	05/18/21 13:16	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778703	05/18/21 15:30	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: WC-13 (0-5)

Lab Sample ID: 460-234446-2

Date Collected: 05/14/21 08:50

Matrix: Solid

Date Received: 05/14/21 18:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778271	05/16/21 11:35	OXG	TAL EDI
Total/NA	Analysis	8270E		1	778330	05/17/21 02:10	YAH	TAL EDI
Total/NA	Prep	3546			778281	05/16/21 13:32	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 14:14	FAM	TAL EDI
Total/NA	Prep	3546			778280	05/16/21 13:30	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778394	05/17/21 16:47	JHP	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 13:22	JHP	TAL EDI
Total/NA	Prep	3546			778425	05/17/21 10:43	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	778618	05/18/21 16:26	CDC	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 12:31	MDC	TAL EDI
Total/NA	Prep	7471B			778574	05/18/21 03:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778658	05/18/21 08:05	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI

Client Sample ID: WC-13 (0-5)

Lab Sample ID: 460-234446-2

Date Collected: 05/14/21 08:50

Matrix: Solid

Date Received: 05/14/21 18:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			779042	05/19/21 18:51	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 15:26	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: CA-1C (0-2)

Lab Sample ID: 460-234446-3

Date Collected: 05/14/21 11:40

Matrix: Solid

Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778306	05/16/21 15:31	BJB	TAL EDI
TCLP	Analysis	8260D		10	779010	05/20/21 05:56	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778679	05/18/21 13:16	MMC	TAL EDI

Client Sample ID: CA-1C (0-2)

Lab Sample ID: 460-234446-3

Date Collected: 05/14/21 11:40

Matrix: Solid

Date Received: 05/14/21 18:30

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778182	05/15/21 15:08	YXG	TAL EDI
Total/NA	Analysis	8260D		1	778385	05/17/21 17:09	KLB	TAL EDI

Client Sample ID: CA-1 (0-2)

Lab Sample ID: 460-234446-4

Date Collected: 05/14/21 11:30

Matrix: Solid

Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778419	05/17/21 10:20	OTS	TAL EDI
TCLP	Analysis	8270E		1	778499	05/18/21 03:17	MME	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			778417	05/17/21 10:16	OTS	TAL EDI
TCLP	Analysis	8081B		1	778561	05/18/21 03:46	FAM	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			778557	05/17/21 22:55	AFR	TAL EDI
TCLP	Analysis	8151A		1	778702	05/18/21 16:56	JHP	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			778572	05/18/21 03:02	GMC	TAL EDI
TCLP	Analysis	6010D		5	778669	05/18/21 16:25	CDC	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			778449	05/17/21 13:17	RBS	TAL EDI
TCLP	Analysis	7470A		1	778510	05/17/21 15:02	RBS	TAL EDI
Total/NA	Analysis	1030		1	778697	05/18/21 14:08	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			128152	05/19/21 15:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE

Client Sample ID: CA-1 (0-2)
Lab Sample ID: 460-234446-4

Date Collected: 05/14/21 11:30
Matrix: Solid
Date Received: 05/14/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	778928	05/19/21 14:07	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	778514	05/17/21 17:36	DLE	TAL EDI
Total/NA	Analysis	7196A		1	778276	05/24/21 14:30	TJW	TAL EDI
Total/NA	Prep	7.3.3			779265	05/20/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779270	05/20/21 16:33	YAH	TAL EDI
Total/NA	Prep	7.3.4			779262	05/20/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9034		1	779269	05/20/21 16:28	YAH	TAL EDI
Soluble	Leach	DI Leach			779144	05/16/21 16:00	YAH	TAL EDI
Soluble	Analysis	9040C		1	779146	05/20/21 08:47	YAH	TAL EDI
TCLP	Leach	1311			778334	05/16/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	778420	05/17/21 10:21	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779228	05/20/21 13:28	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778679	05/18/21 13:16	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			778337	05/16/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	778703	05/18/21 15:30	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778401	05/17/21 09:27	PLS	TAL EDI

Client Sample ID: CA-1 (0-2)
Lab Sample ID: 460-234446-4

Date Collected: 05/14/21 11:30
Matrix: Solid
Date Received: 05/14/21 18:30
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778271	05/16/21 11:35	OXG	TAL EDI
Total/NA	Analysis	8270E		1	778330	05/17/21 01:46	YAH	TAL EDI
Total/NA	Prep	3546			778281	05/16/21 13:32	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	778345	05/17/21 14:26	FAM	TAL EDI
Total/NA	Prep	3546			778280	05/16/21 13:30	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	778394	05/17/21 17:04	JHP	TAL EDI
Total/NA	Prep	8151A			778342	05/16/21 22:34	AFR	TAL EDI
Total/NA	Analysis	8151A		1	778647	05/18/21 13:35	JHP	TAL EDI
Total/NA	Prep	3546			778425	05/17/21 10:43	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	778618	05/18/21 16:43	CDC	TAL EDI
Total/NA	Prep	3050B			779068	05/20/21 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 12:33	MDC	TAL EDI
Total/NA	Prep	7471B			778574	05/18/21 03:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778658	05/18/21 08:07	TJS	TAL EDI
Total/NA	Prep	3060A			779527	05/21/21 17:42	VBG	TAL EDI
Total/NA	Analysis	7196A		1	779856	05/24/21 12:51	RPC	TAL EDI
Total/NA	Prep	9012B			779042	05/19/21 18:51	VBG	TAL EDI
Total/NA	Analysis	9012B		1	779261	05/20/21 15:27	HTV	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Client Sample ID: CA-1 (0-2)

Date Collected: 05/14/21 11:30
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-4

Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-14A (0-2)

Date Collected: 05/14/21 11:00
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778306	05/16/21 15:31	BJB	TAL EDI
TCLP	Analysis	8260D		10	779010	05/20/21 06:21	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778679	05/18/21 13:16	MMC	TAL EDI

Client Sample ID: WC-14A (0-2)

Date Collected: 05/14/21 11:00
Date Received: 05/14/21 18:30

Lab Sample ID: 460-234446-5

Matrix: Solid
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778182	05/15/21 15:09	YXG	TAL EDI
Total/NA	Analysis	8260D		1	778385	05/17/21 17:33	KLB	TAL EDI

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	09-01-21
Alaska	State	PA00009	10-12-21
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	88-0660	08-09-21
California	State	2792	07-12-21
Colorado	State	PA00009	06-30-21
Connecticut	State	PH-0746	06-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-23-21
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	06-23-21
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	06-23-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	09-01-21
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-21
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-21
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22
Montana (UST)	State	0098	01-01-22

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Nebraska	State	NE-OS-32-17	01-31-22
New Hampshire	NELAP	273019	08-08-21
New Jersey	NELAP	PA011	06-30-21
New York	NELAP	10670	06-30-21
North Carolina (DW)	State	42705	06-30-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-21
Oregon	NELAP	PA200001-018	09-11-21
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	06-09-21
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-21-40	08-31-21
Utah	NELAP	PA000092019-16	03-01-22
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-21
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	06-30-21
Wyoming	State	8TMS-L	01-31-22
Wyoming (UST)	A2LA	1.01	09-01-21

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	TAL EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234049-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234049-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-234049-1	WC-9 (0-5)	Solid	05/10/21 10:55	05/10/21 18:30
460-234049-2	WC-9B (7-9)	Solid	05/10/21 10:35	05/10/21 18:30
460-234049-3	WC-8_WC-9 (5-10)	Solid	05/10/21 10:45	05/10/21 18:30
460-234139-1	WC-10A (0-2)	Solid	05/11/21 08:45	05/11/21 20:00
460-234139-2	WC-10 (0-5)	Solid	05/11/21 10:10	05/11/21 20:00
460-234139-3	WC-10B (7-9)	Solid	05/11/21 11:30	05/11/21 20:00
460-234139-4	WC-18 (0-5)	Solid	05/11/21 12:15	05/11/21 20:00
460-234139-5	WC-18A (0-2)	Solid	05/11/21 12:20	05/11/21 20:00
460-234204-1	WC-11 (0-5)	Solid	05/12/21 08:15	05/12/21 18:30
460-234204-2	WC-11A (0-2)	Solid	05/12/21 08:20	05/12/21 18:30
460-234204-3	WC-10_WC-11 (5-10)	Solid	05/12/21 11:10	05/12/21 18:30
460-234327-1	WC-19 (0-5)	Solid	05/13/21 08:30	05/13/21 18:30
460-234327-2	WC-20 (0-5)	Solid	05/13/21 08:40	05/13/21 18:30
460-234327-3	WC-12 (0-5)	Solid	05/13/21 12:45	05/13/21 18:30
460-234327-4	WC-19A (0-2)	Solid	05/13/21 08:35	05/13/21 18:30
460-234327-5	WC-20A (0-2)	Solid	05/13/21 08:45	05/13/21 18:30
460-234327-6	WC-12D (0-2)	Solid	05/13/21 10:55	05/13/21 18:30
460-234327-7	WC-12C (6-8)	Solid	05/13/21 10:50	05/13/21 18:30
460-234327-8	WC-12_WC-13 (5-10)	Solid	05/13/21 11:55	05/13/21 18:30
460-234446-1	WC-13B (0-2)	Solid	05/14/21 08:55	05/14/21 18:30
460-234446-2	WC-13 (0-5)	Solid	05/14/21 08:50	05/14/21 18:30
460-234446-3	CA-1C (0-2)	Solid	05/14/21 11:40	05/14/21 18:30
460-234446-4	CA-1 (0-2)	Solid	05/14/21 11:30	05/14/21 18:30
460-234446-5	WC-14A (0-2)	Solid	05/14/21 11:00	05/14/21 18:30

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: DM	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234049

Address: 209 Shafter St	Due Date Requested:
City: Islandia	TAT Requested (days): 5 days
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No
Phone: 631-232-2600	PO #: 0055.0148Y002
Email: jwills@rouxinc.com	WO #: Long Island City, NY
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	[redacted]	[redacted]-NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-9 (0-5)	5-10-21	1055	C	Solid		[redacted]	X	X	X		X	X	X	X	X	X	X	X	8	No VOCs
WC-9B (7-9)	5-10-21	1035	G	Solid			X												1	
WC-8_WC-9 (5-10)	5-10-21	1045	C	Solid				X	X	X		X	X	X	X	X	X	X	8	WC-8_WC-9 (5-10)
				Solid																
				Solid																
				Solid																

460-234049 Chain of Custody

SHORT HOLD

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5-10-21, 13:00	Company: ROUX	Received by:	Date/Time: 05/10/21 13:00	Company: TA NYC
Relinquished by:	Date/Time: 05/10/21 17:00	Company: TA NYC	Received by:	Date/Time: 5/10/21 1600	Company: FR
Relinquished by:	Date/Time: 5/10/21 1830	Company:	Received by:	Date/Time: 5/10/21 1830	Company: FedEx

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

38 31 ZR-9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234049

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	Raw	Corrected		Raw	Corrected		Raw	Corrected
Cooler #1:	36 °C	31 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 5 10 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: D. Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234139
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	[illegible]	[illegible] - NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	- Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-10A(0-2)	5/11/21	0845	G	Solid			X													5	1
WC-10(0-5)	5/11/21	1010	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	2
WC-10B(7-9)	5/11/21	1130	G	Solid			X													5	3
WC-18(0-5)	5-11-21	1215	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	4
WC-18A(0-2)	5-11-21	1220	G	Solid			X													5	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if sar
☐ Return To Client ☒ Disposal By Lab

460-234139 Chain of Custody

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5-11-21, 13:30	DOW		05/11/21 13:35	TA NYC
	05/11/21 17:00	TA NYC		05/11/21 1700	TA
	5/11/21 2000	TA		5/11/21 1999	TAE

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

33 2 R 9

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234139

Number of Coolers: 1 IR Gun #: 9

Cooler Temperatures

	Uncorrected	Corrected		Uncorrected	Corrected		Uncorrected	Corrected
Cooler #1:	3.3 °C	2.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 5 11 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

eurofins Environment Testing America

Chain of Custody Record

Client Information	Sampler: Dan M/ Sondra	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 234204
Address: 209 Shafter St	Due Date Requested:			Preservation Codes:
City: Islandia	TAT Requested (days): 5 days			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			Other:
Email: iwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	[illegible]	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 8010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N		
WC-11 (0-5)	5-12-21	0815	C	Solid				X	X	X	[illegible]	X	X	X	X	X	X	X	8	1
WC-11A (0-2)	5-12-21	0820	G	Solid			X												4	2
WC-10-WC-11 (5-10)	5-12-21	1110	C	Solid				X	X	X		X	X	X	X	X	X	X	8	3
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

460-234204 Chain of Custody

SHORT HOLD

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SDG Open	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5-12-21, 13:15	ROUX	[signature]	05/12/21 13:15	TAN YC
2	[signature]	05/12/21 17:00	Company	[signature]	5/12/21 1800	Company
3	[signature]	5/12/21 1830	Company	[signature]	5/12/21 1830	TAN

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	2.6/2.1 IR9	

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234204

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	Raw	Corrected		Raw	Corrected		Raw	Corrected
Cooler #1:	26 °C	21 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Lamal **Date:** 5/12/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Dan Mierendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 23/327
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2S..., T - ..., U - ..., Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + TICs & TCLP VOCs	8270E - TCL BNAs + 1,4-D; 8081B - TCL Pesticides; 8082A - PCBs; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	[illegible]	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-19 (0-5)	5-13-21	0830	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8 1
WC-20 (0-5)		0840	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8 2
WC-12 (0-5)		1245	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8 3
WC-19A (0-2)		0835	G	Solid			X													4 4
WC-20A (0-2)		0845	G	Solid			X													4 5
WC-12D (0-2)		1055	G	Solid			X													4 6
WC-12C (6-8)		1050	G	Solid			X													4 7
WC-12_WC-13 (5-10)		1155	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8 8
				Solid																
				Solid																
				Solid																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if s
☐ Return To Client ☑ Disposal By La

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SD Open

Special Instructions/QC Requirements:

460-234327 Chain of Custody

Empty Kit Relinquished by:	Date:	Time:	Method of

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5-13-21, 13:00	ROUX		05/13/21 13:00	TA NYC
	05/13/21 17:00			5/13/21 1600	EH
	5/13/21 1830			5/13/21 1830	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

18 23 F29

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 134327

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	18 °C	13 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [illegible] Date: 5 13 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Mierendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 631-232-2600	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234446
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	[redacted]	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-13B (0-2)	5-14-21	0855	G	Solid			X													1
WC-13 (0-5)	5-14-21	0850	C	Solid				X	X	X		X	X	X	X	X	X	X	X	2
CA-1E (0-2)	5-14-21	1140	G	Solid			X													3
CA-1 (0-2)	5-14-21	1130	C	Solid				X	X	X		X	X	X	X	X	X	X	X	4
WC-14A (0-2)	5-14-21	1100	G	Solid			X													2
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

SHORT HOLD

460-234446 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples
☐ Return To Client ☑ Disposal By Lab

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Close SDG

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5-14-21 15:15	Company ROUX	Received by:	Date/Time: 05/14/21 15:15	Company TA NYC
Relinquished by:	Date/Time: 05/14/21 17:00	Company TA NYC	Received by:	Date/Time: 5/14/21 1630	Company TA
Relinquished by:	Date/Time: 5/14/21 1830	Company TA	Received by:	Date/Time: 5/14/21 1830	Company TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2.6 21 C3 9

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234446

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	26 ℃	21 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [signature] **Date:** 5/14/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61530.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234049-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/14/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WC-9 (0-5) (460-234049-1)	5/10/21	10:55 Eastern		Solid			X	1	
WC-8_WC-9 (5-10) (460-234049-3)	5/10/21	10:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/11/21 15:55	FT Nel	[signature]	5/11/21 15:55	Eurofins
2	[signature]	5/11/21 18:52	Eurofins	[signature]	Date/Time:	Company
3	[signature]	Date/Time:	Company	[signature]	5-11-21 1909	ECLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61534.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234049-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/14/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WC-9 (0-5) (460-234049-1)	5/10/21	10:55 Eastern		Solid			X	1	
WC-8_WC-9 (5-10) (460-234049-3)	5/10/21	10:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	5/12/21 16:40	ETAEli		5/12/21 16:40	
Relinquished by:	5/12/21 19:40	Eurofins		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	6-12-21 2009	ECLC

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61535.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234139-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/18/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
WC-10 (0-5) (460-234139-2)	5/11/21	10:10 Eastern		Solid			X	X	1	
WC-18 (0-5) (460-234139-4)	5/11/21	12:15 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/12/21 16:40	EAEL	Brad Berger	5/12/21 16:40	Eurofins
2	Brad Berger	5/12/21 19:40	Eurofins			
3				Eric Smith	5-12-21 2009	ELCE

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61587.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234327-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/19/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
WC-19 (0-5) (460-234327-1)	5/13/21	08:30 Eastern		Solid			X	X	1	
WC-20 (0-5) (460-234327-2)	5/13/21	08:40 Eastern		Solid			X	X	1	
WC-12 (0-5) (460-234327-3)	5/13/21	12:45 Eastern		Solid			X	X	1	
WC-12_WC-13 (5-10) (460-234327-8)	5/13/21	11:55 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/17/21 16:00	EA		5/17/21 16:00	EA
2	Brad Bay	5/17/21 19:20	EA			
3					5/17/21 1920	EA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61587.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234446-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/20/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
WC-13 (0-5) (460-234446-2)	5/14/21	08:50 Eastern		Solid			X	X	1	
CA-1 (0-2) (460-234446-4)	5/14/21	11:30 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/17/21 16:00	ECHL	[signature]	5/17/21 1600	ECLE
2	Brad Bayer	5/17/21 19:20	ECLE			
3				[signature]	5/17/21 1920	ECLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234049
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234049
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/11/21 07:58 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234049
List Number: 3
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/12/21 09:25 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234139
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234139
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/12/21 09:25 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234204
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234204
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/13/21 09:15 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234327
List Number: 1
Creator: Callahan, April R

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234327
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/17/21 08:56 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234446
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234049-1

Login Number: 234446
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/17/21 08:56 PM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-234565-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 5:56:04 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

LINKS

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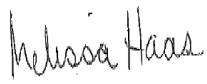
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 5:56:04 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-234565-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-234565-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/17/2021 4:55 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.0º C, 2.0º C and 2.0º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS

Samples WC-15C (0-2) (460-234565-7), WC-15B (8-10) (460-234565-8), WC-16A (0-2) (460-234565-9), WC-17D (5-7) (460-234565-10), WC-17A (0-2) (460-234565-11), WC-19B (6-8) (460-234565-12), WC-18A (10-12) (460-234565-13), WC-30B (3-5) (460-234565-14) and WC-27A (0-2) (460-234565-19) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 05/19/2021 and analyzed on 05/20/2021.

The continuing calibration verification (CCV) associated with batch 460-779132 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-779132 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

Samples WC-15C (0-2) (460-234565-7)[10X], WC-15B (8-10) (460-234565-8)[10X], WC-16A (0-2) (460-234565-9)[10X], WC-17D (5-7) (460-234565-10)[10X], WC-17A (0-2) (460-234565-11)[10X], WC-19B (6-8) (460-234565-12)[10X], WC-18A (10-12) (460-234565-13)[10X], WC-30B (3-5) (460-234565-14)[10X] and WC-27A (0-2) (460-234565-19)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TCLP volatiles analysis.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-15C (0-2) (460-234565-7), WC-15B (8-10) (460-234565-8), WC-16A (0-2) (460-234565-9), WC-17D (5-7) (460-234565-10), WC-17A (0-2) (460-234565-11), WC-19B (6-8) (460-234565-12), WC-18A (10-12) (460-234565-13), WC-30B (3-5) (460-234565-14) and WC-27A (0-2) (460-234565-19) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 05/18/2021 and analyzed on 05/20/2021.

The continuing calibration verification (CCV) analyzed in batch 460-779070 was outside the method criteria for the following analytes: Bromoform (biased low) and 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-779070 recovered outside control limits for the following analytes: 2-Butanone (MEK) and 1,1,2-Trichloro-1,2,2-trifluoroethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 05/19/2021, and prepared and analyzed on 05/20/2021.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 05/19/2021 and analyzed on 05/19/2021 and 05/20/2021.

The continuing calibration verification (CCV) analyzed in batch 460-779019 was outside the method criteria for the following analyte(s): Benzaldehyde and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) are considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-778896 and analytical batch 460-779019 recovered outside control limits for the following analyte: Caprolactam. This analyte was biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Several analytes failed the recovery criteria low for the MS/MSD of sample WC-14 (0-5)MS/MSD (460-234565-1) in batch 460-779019. Several analytes exceeded the RPD limit.

Refer to the QC report for details.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Sample WC-18_WC-19 (10-18) (460-234565-17)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 05/19/2021, prepared on 05/20/2021 and analyzed on 05/21/2021.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 05/19/2021 and analyzed on 05/20/2021.

The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Endosulfan sulfate and Endrin aldehyde failed the recovery criteria low for the MSD of sample WC-14 (0-5)MSD (460-234565-1) in batch 460-779117.

Refer to the QC report for details.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/19/2021 and analyzed on 05/20/2021.

Surrogate Tetrachloro-m-xylene recovery for the following sample was outside control limits: WC-30 (0-5) (460-234565-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

Samples WC-30 (0-5) (460-234565-15)[2X] and WC-27 (0-5) (460-234565-18)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TCLP CHLORINATED HERBICIDES

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 05/19/2021, prepared on 05/20/2021 and analyzed on 05/21/2021.

The closing continuing calibration verification (CCVC) associated with batch 460-779373 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-779322 and analytical batch 460-779373 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/19/2021 and analyzed on 05/21/2021.

The closing continuing calibration verification (CCVC) associated with batch 460-779374 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-779374 recovered above the upper control limit for 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 05/19/2021 and analyzed on 05/20/2021.

1-Chlorooctadecane surrogate recovery for the following LCS/LCSD was outside control limits; o-Terphenyl surrogate recovery is within the control limits: LCS 460-778890/2-A and LCSD 460-778890/3-A. Therefore, re-extraction and/or re-analysis was not performed.

1-Chlorooctadecane surrogate recovery for the following sample was outside control limits; o-Terphenyl surrogate recovery is within the control limits: WC-14 (0-5) (460-234565-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

Sample WC-14 (0-5) (460-234565-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 05/19/2021, prepared on 05/20/2021 and analyzed on 05/21/2021.

No difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared on 05/20/2021 and analyzed on 05/21/2021.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/19/2021, and prepared and analyzed on 05/20/2021.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/19/2021 and 05/20/2021.

Mercury exceeded the RPD limit for the duplicate of sample WC-14_WC-15 (5-10)DU (460-234565-4).

Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 05/21/2021.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Cyanide, Total failed the recovery criteria high for the MS of sample WC-14 (0-5)MS (460-234565-1) in batch 460-779462.

Cyanide, Total failed the recovery criteria high for the MS/MSD of sample WC-16_WC-17 (5-10)MS/MSD (460-234565-6) in batch 460-779462.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared and analyzed on 05/25/2021.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM
Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 05/27/2021.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY
Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/21/2021.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)
Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were leached on 05/22/2021 and analyzed on 05/25/2021 and 05/26/2021.

No difficulties were encountered during the SGT-HEM/HEM analysis.

All quality control parameters were within the acceptance limits.

TOTAL VOLATILE SOLIDS
Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10)

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

(460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for total volatile solids in accordance with SM 2540G. The samples were analyzed on 05/19/2021.

Total Solids was detected in method blank MB 460-778864/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Total Volatile Solids exceeded the RPD limit for the duplicate of sample WC-14 (0-5)DU (460-234565-1).

Refer to the QC report for details.

No other difficulties were encountered during the TVS analysis.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND, ASTM

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for chemical oxygen demand, ASTM in accordance with EPA Method 410.4 (ASTM Leach D3987-85). The samples were leached on 05/19/2021 and analyzed on 05/20/2021.

Chemical Oxygen Demand failed the recovery criteria low for the MS/MSD of sample 460-234231-1 in batch 460-779298.

Refer to the QC report for details.

No other difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 05/21/2021.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 05/21/2021.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

PH

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/19/2021 and analyzed on 05/20/2021.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

PH

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/19/2021 and analyzed on 05/20/2021.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 05/21/2021.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

OIL AND GREASE

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for oil and grease in accordance with EPA SW-846 Method 9017B. The samples were prepared on 05/23/2021 and analyzed on 05/24/2021.

No difficulties were encountered during the oil and grease analysis.

All quality control parameters were within the acceptance limits.

PAINT FILTER

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 05/20/2021.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-15C (0-2) (460-234565-7), WC-15B (8-10) (460-234565-8), WC-16A (0-2) (460-234565-9), WC-17D (5-7) (460-234565-10), WC-17A (0-2) (460-234565-11), WC-19B (6-8) (460-234565-12), WC-18A (10-12) (460-234565-13), WC-30B (3-5) (460-234565-14), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17), WC-27 (0-5) (460-234565-18) and WC-27A (0-2) (460-234565-19) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 05/19/2021.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-234565-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

ASTM TOTAL SOLIDS

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for ASTM Total Solids in accordance with SM 2540B by ASTM Leach D3987-85. The samples were leached on 05/19/2021 and analyzed on 05/20/2021.

No difficulties were encountered during the TS analysis.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples WC-14 (0-5) (460-234565-1), WC-15 (0-5) (460-234565-2), WC-16 (0-5) (460-234565-3), WC-14_WC-15 (5-10) (460-234565-4), WC-17 (0-5) (460-234565-5), WC-16_WC-17 (5-10) (460-234565-6), WC-30 (0-5) (460-234565-15), WC-18_WC-19 (5-10) (460-234565-16), WC-18_WC-19 (10-18) (460-234565-17) and WC-27 (0-5) (460-234565-18) were analyzed for Ammonia in accordance with SM 4500_NH H by ASTM Leach D3987-85. The samples were leached on 05/19/2021 and analyzed on 05/23/2021.

No difficulties were encountered during the Ammonia analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-14 (0-5)
Lab Sample ID: 460-234565-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.018	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.025	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.038	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.13		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.16		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.25		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.087	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.094		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.036	J	0.37	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.016	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.14	J	0.37	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.021	J	0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.0083	J	0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.18	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.0078	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.096		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.018	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.073	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.20	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.94		0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.94		0.075	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	370		11	11	mg/Kg	5	☼	NJDEP EPH	Total/NA
Barium	0.60	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0038	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.059		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5060		18.6	2.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.62	J	0.93	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.0		0.93	0.093	mg/Kg	1	☼	6020B	Total/NA
Barium	60.3		1.9	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.43		0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.49	J	0.93	0.10	mg/Kg	1	☼	6020B	Total/NA
Calcium	9660		92.8	15.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.5		1.9	0.16	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.9		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	85.2		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Iron	21200		55.7	18.7	mg/Kg	1	☼	6020B	Total/NA
Lead	123		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4190		92.8	9.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	296		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.2		1.9	0.18	mg/Kg	1	☼	6020B	Total/NA
Potassium	896		92.8	10.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.2	0.11	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.93	0.083	mg/Kg	1	☼	6020B	Total/NA
Sodium	205		92.8	14.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.075	J	0.37	0.038	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.3		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	114		7.4	2.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.15		0.017	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	3.7		0.44	0.15	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.44		0.27	0.15	mg/Kg	1	☼	9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-14 (0-5) (Continued)
Lab Sample ID: 460-234565-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
pH	9.4	HF			SU	1		9045D	Total/NA
Corrosivity	9.4	HF			SU	1		9045D	Total/NA
Oil & Grease	762		662	221	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.1	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.8				S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
Total Solids	87.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-15 (0-5)
Lab Sample ID: 460-234565-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.033	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.12		0.036	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.13		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.16		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.068	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.062		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.034	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.11	J	0.36	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.018	J	0.036	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.22	J	0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.071		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.12	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.19	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	120		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.47	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.051		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	8570		17.6	2.3	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.7		0.88	0.088	mg/Kg	1	☼	6020B	Total/NA
Barium	102		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.42		0.35	0.050	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.10	J	0.88	0.099	mg/Kg	1	☼	6020B	Total/NA
Calcium	7010		87.9	14.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.5		1.8	0.15	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.1		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Copper	33.0		1.8	0.19	mg/Kg	1	☼	6020B	Total/NA
Iron	17200		52.8	17.8	mg/Kg	1	☼	6020B	Total/NA
Lead	45.4		0.53	0.18	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4830		87.9	9.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	236		3.5	0.35	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.8		1.8	0.17	mg/Kg	1	☼	6020B	Total/NA
Potassium	3600		87.9	9.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.16	J	1.1	0.10	mg/Kg	1	☼	6020B	Total/NA
Sodium	452		87.9	13.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.19	J	0.35	0.036	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.0		1.8	0.18	mg/Kg	1	☼	6020B	Total/NA
Zinc	60.8		7.0	2.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.037		0.016	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	16.5		2.0	2.0	mg/Kg	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-15 (0-5) (Continued)
Lab Sample ID: 460-234565-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
pH	9.8	HF			SU	1		9045D	Total/NA
Corrosivity	9.8	HF			SU	1		9045D	Total/NA
Oil & Grease	1170		647	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.4	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.9				S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
Total Solids	78.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-16 (0-5)
Lab Sample ID: 460-234565-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.037	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.028	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.028	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.085	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.31		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.31		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.49		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.15	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.18		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.025	J	0.37	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.042	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.31	J	0.37	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.047		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.021	J	0.37	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.57		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.031	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.18		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.070	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.31	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.47		0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.0041	J	0.0074	0.0014	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	160		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.60	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0017	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.097		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6040		17.7	2.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.29	J	0.89	0.13	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.2		0.89	0.089	mg/Kg	1	☼	6020B	Total/NA
Barium	49.2		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.35	0.051	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.19	J	0.89	0.10	mg/Kg	1	☼	6020B	Total/NA
Calcium	6800		88.6	15.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	29.4		1.8	0.15	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Copper	46.4		1.8	0.19	mg/Kg	1	☼	6020B	Total/NA
Iron	17300		53.2	17.9	mg/Kg	1	☼	6020B	Total/NA
Lead	58.7		0.53	0.18	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3420		88.6	9.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-16 (0-5) (Continued)
Lab Sample ID: 460-234565-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	270		3.5	0.36	mg/Kg	1	☼	6020B	Total/NA
Nickel	81.3		1.8	0.17	mg/Kg	1	☼	6020B	Total/NA
Potassium	822		88.6	9.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.1	0.10	mg/Kg	1	☼	6020B	Total/NA
Sodium	182		88.6	13.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.071	J	0.35	0.036	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.7		1.8	0.18	mg/Kg	1	☼	6020B	Total/NA
Zinc	68.4		7.1	2.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.087		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	29.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.42	J	0.45	0.15	mg/Kg	1	☼	7196A	Total/NA
pH	9.1	HF			SU	1		9045D	Total/NA
Corrosivity	9.1	HF			SU	1		9045D	Total/NA
Oil & Grease	594	J	648	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.6	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.7				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
Total Solids	65.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.015	J	0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.12	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.013	J	0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.058	J	0.071	0.0098	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.058	J	0.071	0.0098	mg/Kg	1	☼	8082A	Total/NA
Barium	0.32	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	5450		19.4	2.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.1		0.97	0.097	mg/Kg	1	☼	6020B	Total/NA
Barium	33.4		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Calcium	626		96.8	16.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.7		1.9	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	10.6		1.9	0.21	mg/Kg	1	☼	6020B	Total/NA
Iron	9790		58.1	19.6	mg/Kg	1	☼	6020B	Total/NA
Lead	3.6		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1690		96.8	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	254		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.1		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	757		96.8	10.8	mg/Kg	1	☼	6020B	Total/NA
Sodium	435		96.8	15.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.040	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.6		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	18.4		7.7	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.011	J	0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.8	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-14_WC-15 (5-10) (Continued)
Lab Sample ID: 460-234565-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Corrosivity	8.8	HF			SU	1		9045D	Total/NA
Total Solids	97.2	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	0.65		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.7				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	14.1		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	66.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-17 (0-5)
Lab Sample ID: 460-234565-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.016	J	0.35	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.018	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.034	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.16		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.16		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.26		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.12	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.084		0.035	0.0068	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.066	J	0.35	0.018	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.018	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.16	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.036		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.011	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.23	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.0098	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.13		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.018	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.12	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.25	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	250		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.58	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0016	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.30		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5400		16.6	2.2	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.22	J	0.83	0.12	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		0.83	0.083	mg/Kg	1	☼	6020B	Total/NA
Barium	53.4		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.33	0.047	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	0.83	0.094	mg/Kg	1	☼	6020B	Total/NA
Calcium	12000		82.9	14.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.4		1.7	0.14	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	42.0		1.7	0.18	mg/Kg	1	☼	6020B	Total/NA
Iron	13200		49.8	16.8	mg/Kg	1	☼	6020B	Total/NA
Lead	48.3		0.50	0.17	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6470		82.9	8.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	239		3.3	0.33	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.9		1.7	0.16	mg/Kg	1	☼	6020B	Total/NA
Potassium	1000		82.9	9.3	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-17 (0-5) (Continued)
Lab Sample ID: 460-234565-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.18	J	1.0	0.098	mg/Kg	1	☼	6020B	Total/NA
Sodium	279		82.9	12.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.093	J	0.33	0.034	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.8		1.7	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	53.7		6.6	1.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.047		0.017	0.0040	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.72		0.41	0.14	mg/Kg	1	☼	7196A	Total/NA
pH	9.4	HF			SU	1		9045D	Total/NA
Corrosivity	9.4	HF			SU	1		9045D	Total/NA
Oil & Grease	574	J	627	209	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.0	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.7				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	14.4		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	78.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-16_WC-17 (5-10)
Lab Sample ID: 460-234565-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.023	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.017	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.015	J	0.35	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.052	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.22		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.21		0.035	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.29		0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.14	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.10		0.035	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.11	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.023	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.21	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.032	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.019	J	0.35	0.0050	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.35		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.016	J	0.35	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.028	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.21	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.35		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.15		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.15		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	280		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.62	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0017	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.14		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5370		18.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.21	J	0.93	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.6		0.93	0.093	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-16_WC-17 (5-10) (Continued) — Lab Sample ID: 460-234565-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	47.0		1.9	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	0.93	0.10	mg/Kg	1	☼	6020B	Total/NA
Calcium	5560		92.5	15.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.6		1.9	0.16	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.1		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	33.3		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Iron	11700		55.5	18.7	mg/Kg	1	☼	6020B	Total/NA
Lead	40.7		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3250		92.5	9.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	304		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.7		1.9	0.18	mg/Kg	1	☼	6020B	Total/NA
Potassium	824		92.5	10.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.14	J	1.2	0.11	mg/Kg	1	☼	6020B	Total/NA
Sodium	201		92.5	14.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.068	J	0.37	0.038	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.7		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	50.1		7.4	2.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.037		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	9.7	HF			SU	1		9045D	Total/NA
Corrosivity	9.7	HF			SU	1		9045D	Total/NA
Oil & Grease	685		632	211	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.2	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
HEM	1.8	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Ammonia	0.17		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	57.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-15C (0-2) — Lab Sample ID: 460-234565-7

No Detections.

Client Sample ID: WC-15B (8-10) — Lab Sample ID: 460-234565-8

No Detections.

Client Sample ID: WC-16A (0-2) — Lab Sample ID: 460-234565-9

No Detections.

Client Sample ID: WC-17D (5-7) — Lab Sample ID: 460-234565-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.00050	J	0.0012	0.00038	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-17A (0-2) — Lab Sample ID: 460-234565-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.00051	J	0.0013	0.00041	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-19B (6-8) — Lab Sample ID: 460-234565-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0061		0.0034	0.0020	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.0016	J	0.0017	0.00055	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-18A (10-12) — Lab Sample ID: 460-234565-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0070		0.0061	0.0058	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0039		0.0020	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-30B (3-5) — Lab Sample ID: 460-234565-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.00062	J	0.0013	0.00042	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-30 (0-5) — Lab Sample ID: 460-234565-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.036	J	0.40	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.077	J	0.40	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.058	J	0.40	0.0040	mg/Kg	1	☼	8270E	Total/NA
Anthracene	1.9		0.40	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.44		0.040	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.35		0.040	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.61		0.040	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.17	J	0.40	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.23		0.040	0.0079	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.059	J	0.40	0.021	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.10	J	0.40	0.015	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.72		0.40	0.0068	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.053		0.040	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.095	J	0.40	0.0056	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.015	J	0.40	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.5		0.40	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.23	J	0.40	0.0054	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.040	0.016	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.041	J	0.40	0.0069	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.1		0.40	0.0070	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.1		0.40	0.010	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1254	2.4		0.16	0.022	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	2.4		0.16	0.022	mg/Kg	2	☼	8082A	Total/NA
Total EPH (C9-C40)	620		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.48	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0056	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.085		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4870		23.5	3.1	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.50	J	1.2	0.17	mg/Kg	1	☼	6020B	Total/NA
Arsenic	12.3		1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	55.3		2.4	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.47	0.067	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.41	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	24500		118	20.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.4		2.4	0.20	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-30 (0-5) (Continued)
Lab Sample ID: 460-234565-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.4		2.4	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	44.2		2.4	0.26	mg/Kg	1	☼	6020B	Total/NA
Iron	13600		70.6	23.8	mg/Kg	1	☼	6020B	Total/NA
Lead	70.1		0.71	0.24	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3940		118	12.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	284		4.7	0.47	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.2		2.4	0.23	mg/Kg	1	☼	6020B	Total/NA
Potassium	747		118	13.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.5	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	1.2	0.10	mg/Kg	1	☼	6020B	Total/NA
Sodium	826		118	18.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	1.4		0.47	0.048	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.4		2.4	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	64.7		9.4	2.7	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.17		0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.9		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.52		0.48	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	9.4	HF			SU	1		9045D	Total/NA
Corrosivity	9.4	HF			SU	1		9045D	Total/NA
Oil & Grease	1460		723	241	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.9	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.5				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
HEM	7.6		5.6	1.6	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	14.1		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	105		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-18_WC-19 (5-10)
Lab Sample ID: 460-234565-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.029	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.023	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.030	J	0.35	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.095	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.33		0.035	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.48		0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.15	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.16		0.035	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.11	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.026	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.31	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.043		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.026	J	0.35	0.0050	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.013	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.56		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.029	J	0.35	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.17		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.036	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-18_WC-19 (5-10) (Continued)
Lab Sample ID: 460-234565-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.30	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.49		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.12		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.12		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	250		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.53	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0028	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.24		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5540		19.0	2.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.58	J	0.95	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.8		0.95	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	54.7		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.38	0.054	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.23	J	0.95	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	5770		95.0	16.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	26.3		1.9	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.7		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	58.7		1.9	0.21	mg/Kg	1	☼	6020B	Total/NA
Iron	24000		57.0	19.2	mg/Kg	1	☼	6020B	Total/NA
Lead	119		0.57	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3140		95.0	9.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	265		3.8	0.38	mg/Kg	1	☼	6020B	Total/NA
Nickel	48.0		1.9	0.18	mg/Kg	1	☼	6020B	Total/NA
Potassium	1360		95.0	10.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.51	J	1.2	0.11	mg/Kg	1	☼	6020B	Total/NA
Silver	0.095	J	0.95	0.085	mg/Kg	1	☼	6020B	Total/NA
Sodium	187		95.0	14.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.38	0.039	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.3		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	70.8		7.6	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.17		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	28.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.61		0.45	0.15	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.44		0.26	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	9.3	HF			SU	1		9045D	Total/NA
Corrosivity	9.3	HF			SU	1		9045D	Total/NA
Oil & Grease	534	J	628	209	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.7	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
HEM	2.1	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	37.0		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.068	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	110		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-18_WC-19 (10-18)
Lab Sample ID: 460-234565-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.10	J	0.38	0.0050	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-18_WC-19 (10-18) (Continued)
Lab Sample ID: 460-234565-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.24	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.57		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.027	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	2.3		0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	3.9		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3.1		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	3.7		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.6		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.7		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.95		0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	3.7		0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.50		0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.88		0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	8.9		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.42		0.38	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.7		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.43		0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	8.0		0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene - DL	12		0.76	0.013	mg/Kg	2	☼	8270E	Total/NA
Total EPH (C9-C40)	91		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.46	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.015	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4770		19.5	2.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.1		0.97	0.097	mg/Kg	1	☼	6020B	Total/NA
Barium	30.4		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Calcium	1360		97.4	16.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.3		1.9	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.5		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	10.5		1.9	0.21	mg/Kg	1	☼	6020B	Total/NA
Iron	19600		58.5	19.7	mg/Kg	1	☼	6020B	Total/NA
Lead	7.9		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1820		97.4	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	273		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.2		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	653		97.4	10.9	mg/Kg	1	☼	6020B	Total/NA
Sodium	142		97.4	15.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.068	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.9		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	22.4		7.8	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.018		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.47	J	0.49	0.16	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.19	J	0.28	0.15	mg/Kg	1	☼	9012B	Total/NA
pH	9.2	HF			SU	1		9045D	Total/NA
Corrosivity	9.2	HF			SU	1		9045D	Total/NA
Oil & Grease	687		682	227	mg/Kg	1	☼	9071B	Total/NA
Total Solids	88.6	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-18_WC-19 (10-18) (Continued) — Lab Sample ID: 460-234565-17

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Temperature	24.0				Degrees C	1		9040C	TCLP
HEM	1.9	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	10.9		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.18		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	97.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-27 (0-5) — Lab Sample ID: 460-234565-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.047	J	0.34	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.010	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.015	J	0.34	0.0034	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.025	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.091		0.034	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.098		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.15		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.069	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.062		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.086	J	0.34	0.0057	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.019	J	0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.017	J	0.34	0.0048	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.13	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.020	J	0.34	0.0046	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.073		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.030	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.097	J	0.34	0.0060	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.14	J	0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1254	1.5		0.14	0.019	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	1.5		0.14	0.019	mg/Kg	2	☼	8082A	Total/NA
Total EPH (C9-C40)	170		2.0	2.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.48	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0023	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.044	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4270		18.7	2.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.62	J	0.93	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.0		0.93	0.093	mg/Kg	1	☼	6020B	Total/NA
Barium	41.7		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.49		0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	0.93	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	9330		93.4	15.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.2		1.9	0.16	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.1		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	40.1		1.9	0.21	mg/Kg	1	☼	6020B	Total/NA
Iron	18000		56.0	18.9	mg/Kg	1	☼	6020B	Total/NA
Lead	81.9		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4530		93.4	9.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	241		3.7	0.38	mg/Kg	1	☼	6020B	Total/NA
Nickel	10.0		1.9	0.18	mg/Kg	1	☼	6020B	Total/NA
Potassium	923		93.4	10.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.56	J	1.2	0.11	mg/Kg	1	☼	6020B	Total/NA
Silver	0.083	J	0.93	0.083	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-27 (0-5) (Continued)
Lab Sample ID: 460-234565-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	609		93.4	14.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.098	J	0.37	0.038	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.1		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	60.0		7.5	2.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.085		0.016	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.22	J	0.24	0.13	mg/Kg	1	☼	9012B	Total/NA
pH	8.9	HF			SU	1		9045D	Total/NA
Corrosivity	8.9	HF			SU	1		9045D	Total/NA
Oil & Grease	248	J	608	203	mg/Kg	1	☼	9071B	Total/NA
Total Solids	98.1	B	0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.0				Degrees C	1		9040C	TCLP
HEM	3.2	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	81.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-27A (0-2)
Lab Sample ID: 460-234565-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0089		0.0031	0.0018	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14 (0-5)
Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1
Matrix: Solid
Percent Solids: 89.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Methylnaphthalene	**0.018**	**J**	0.37	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Acenaphthylene	**0.025**	**J**	0.37	0.0037	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Anthracene	**0.038**	**J**	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzo[a]anthracene	**0.13**		0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzo[a]pyrene	**0.16**		0.037	0.0098	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzo[b]fluoranthene	**0.25**		0.037	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzo[g,h,i]perylene	**0.087**	**J**	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Benzo[k]fluoranthene	**0.094**		0.037	0.0072	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Bis(2-ethylhexyl) phthalate	**0.036**	**J**	0.37	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Carbazole	**0.016**	**J**	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Chrysene	**0.14**	**J**	0.37	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Dibenz(a,h)anthracene	**0.021**	**J**	0.037	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Dibenzofuran	**0.0083**	**J**	0.37	0.0052	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Diethyl phthalate	0.37	U	0.37	0.0053	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1

Client Sample ID: WC-14 (0-5)
Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1
Matrix: Solid
Percent Solids: 89.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Fluoranthene	**0.18**	**J**	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Fluorene	**0.0078**	**J**	0.37	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Hexachlorobutadiene	0.075	U	0.075	0.0078	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Indeno[1,2,3-cd]pyrene	**0.096**		0.037	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Naphthalene	**0.018**	**J**	0.37	0.0064	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Nitrobenzene	0.037	U	0.037	0.0088	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Phenanthrene	**0.073**	**J**	0.37	0.0065	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1
Pyrene	**0.20**	**J**	0.37	0.0092	mg/Kg	☼	05/19/21 10:40	05/20/21 03:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.44*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 03:01*	*1*
n-Decane	*0.065*	*J B*	*mg/Kg*	☼	*4.21*	*124-18-5*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*17.37*		*05/19/21 10:40*	*05/20/21 03:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 123*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
2-Fluorobiphenyl	*64*		*14 - 103*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 105*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
Phenol-d5 (Surr)	*68*		*15 - 100*	*05/19/21 10:40*	*05/20/21 03:01*	*1*
Terphenyl-d14 (Surr)	*70*		*12 - 126*	*05/19/21 10:40*	*05/20/21 03:01*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 19:20	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 19:20	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 19:20	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 19:20	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 19:20	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 19:20	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 19:20	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 19:20	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 19:20	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 19:20	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 19:20	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*	*05/20/21 10:30*	*05/20/21 19:20*	*1*

Client Sample ID: WC-14 (0-5)
Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1
Matrix: Solid
Percent Solids: 89.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		42 - 127	05/20/21 10:30	05/20/21 19:20	1
2-Fluorophenol (Surr)	45		18 - 72	05/20/21 10:30	05/20/21 19:20	1
Nitrobenzene-d5 (Surr)	103		46 - 137	05/20/21 10:30	05/20/21 19:20	1
Phenol-d5 (Surr)	32		10 - 50	05/20/21 10:30	05/20/21 19:20	1
Terphenyl-d14 (Surr)	96		39 - 150	05/20/21 10:30	05/20/21 19:20	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/19/21 17:09	05/20/21 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	113		10 - 150	05/19/21 17:09	05/20/21 09:48	1
DCB Decachlorobiphenyl	93		10 - 150	05/19/21 17:09	05/20/21 09:48	1
Tetrachloro-m-xylene	75		10 - 133	05/19/21 17:09	05/20/21 09:48	1
Tetrachloro-m-xylene	70		10 - 133	05/19/21 17:09	05/20/21 09:48	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 05:20	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:20	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 05:20	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 05:20	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 05:20	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:20	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 150	05/20/21 09:54	05/21/21 05:20	1
DCB Decachlorobiphenyl	57		10 - 150	05/20/21 09:54	05/21/21 05:20	1
Tetrachloro-m-xylene	48		10 - 150	05/20/21 09:54	05/21/21 05:20	1
Tetrachloro-m-xylene	50		10 - 150	05/20/21 09:54	05/21/21 05:20	1

Client Sample ID: WC-14 (0-5)
Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1
Matrix: Solid
Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1221	0.075	U	0.075	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1232	0.075	U	0.075	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1242	0.075	U	0.075	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1248	0.075	U	0.075	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1260	**0.94**		0.075	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1
Polychlorinated biphenyls, Total	**0.94**		0.075	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*37 - 150*	*05/19/21 17:04*	*05/20/21 13:25*	*1*
DCB Decachlorobiphenyl	*90*		*37 - 150*	*05/19/21 17:04*	*05/20/21 13:25*	*1*
Tetrachloro-m-xylene	*87*		*54 - 150*	*05/19/21 17:04*	*05/20/21 13:25*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*05/19/21 17:04*	*05/20/21 13:25*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/19/21 23:50	05/21/21 09:07	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 09:07	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/19/21 23:50	05/21/21 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:07*	*1*
2,4-Dichlorophenylacetic acid	*129*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:07*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 07:59	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*05/20/21 23:54*	*05/21/21 07:59*	*1*
2,4-Dichlorophenylacetic acid	*54*		*28 - 150*	*05/20/21 23:54*	*05/21/21 07:59*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**370**		11	11	mg/Kg	☼	05/19/21 10:22	05/20/21 10:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*118*		*40 - 140*	*05/19/21 10:22*	*05/20/21 10:34*	*5*
1-Chlorooctadecane	*141*	*	*40 - 140*	*05/19/21 10:22*	*05/20/21 10:34*	*5*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:14	5
Barium	**0.60**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:14	5
Cadmium	**0.0038**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:14	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:14	5
Lead	**0.059**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:14	5

Client Sample ID: WC-14 (0-5)
Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:14	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:14	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5060**		18.6	2.4	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Antimony	**0.62**	**J**	0.93	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Arsenic	**4.0**		0.93	0.093	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Barium	**60.3**		1.9	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Beryllium	**0.43**		0.37	0.053	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Cadmium	**0.49**	**J**	0.93	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Calcium	**9660**		92.8	15.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Chromium	**16.5**		1.9	0.16	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Cobalt	**5.9**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Copper	**85.2**		1.9	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Iron	**21200**		55.7	18.7	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Lead	**123**		0.56	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Magnesium	**4190**		92.8	9.5	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Manganese	**296**		3.7	0.37	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Nickel	**15.2**		1.9	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Potassium	**896**		92.8	10.4	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Selenium	**0.22**	**J**	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Silver	**0.18**	**J**	0.93	0.083	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Sodium	**205**		92.8	14.5	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Thallium	**0.075**	**J**	0.37	0.038	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Vanadium	**18.3**		1.9	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1
Zinc	**114**		7.4	2.1	mg/Kg	☼	05/20/21 21:25	05/21/21 13:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.017	0.0039	mg/Kg	☼	05/19/21 04:03	05/19/21 09:43	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**	**HF**			SU			05/21/21 13:25	1
Corrosivity	**9.4**	**HF**			SU			05/21/21 13:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**3.7**		0.44	0.15	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	**0.44**		0.27	0.15	mg/Kg	☼	05/21/21 08:01	05/21/21 11:40	1
Oil & Grease	**762**		662	221	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**12.8**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client Sample ID: WC-14 (0-5)
Lab Sample ID: 460-234565-1
Date Collected: 05/15/21 08:05
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 89.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.2		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	89.8		1.0	1.0	%			05/19/21 08:33	1
Total Solids	91.1	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	2.6		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.8				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.4				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	87.0		10.0	10.0	mg/L			05/20/21 14:44	1

Client Sample ID: WC-15 (0-5)
Lab Sample ID: 460-234565-2
Date Collected: 05/15/21 12:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 92.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,4-Dinitrotoluene	0.072	U	0.072	0.039	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1

Client Sample ID: WC-15 (0-5)
Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2
Matrix: Solid
Percent Solids: 92.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Acenaphthylene	0.36	U	0.36	0.0036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Anthracene	**0.033**	**J**	0.36	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzo[a]anthracene	**0.12**		0.036	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzo[a]pyrene	**0.13**		0.036	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzo[b]fluoranthene	**0.16**		0.036	0.0093	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzo[g,h,i]perylene	**0.068**	**J**	0.36	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Benzo[k]fluoranthene	**0.062**		0.036	0.0070	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Bis(2-ethylhexyl) phthalate	**0.034**	**J**	0.36	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Chrysene	**0.11**	**J**	0.36	0.0060	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Dibenz(a,h)anthracene	**0.018**	**J**	0.036	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Dibenzofuran	0.36	U	0.36	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Fluoranthene	**0.22**	**J**	0.36	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Fluorene	0.36	U	0.36	0.0049	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Indeno[1,2,3-cd]pyrene	**0.071**		0.036	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Phenanthrene	**0.12**	**J**	0.36	0.0063	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1
Pyrene	**0.19**	**J**	0.36	0.0089	mg/Kg	☼	05/19/21 10:40	05/20/21 04:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.49*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 04:11*	*1*

Client Sample ID: WC-15 (0-5)
Lab Sample ID: 460-234565-2
Date Collected: 05/15/21 12:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 92.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 123*	*05/19/21 10:40*	*05/20/21 04:11*	*1*
2-Fluorobiphenyl	*63*		*14 - 103*	*05/19/21 10:40*	*05/20/21 04:11*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 105*	*05/19/21 10:40*	*05/20/21 04:11*	*1*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*	*05/19/21 10:40*	*05/20/21 04:11*	*1*
Phenol-d5 (Surr)	*66*		*15 - 100*	*05/19/21 10:40*	*05/20/21 04:11*	*1*
Terphenyl-d14 (Surr)	*66*		*12 - 126*	*05/19/21 10:40*	*05/20/21 04:11*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 19:43	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 19:43	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 19:43	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 19:43	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 19:43	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 19:43	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 19:43	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 19:43	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 19:43	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 19:43	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 19:43	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*33 - 150*	*05/20/21 10:30*	*05/20/21 19:43*	*1*
2-Fluorobiphenyl	*85*		*42 - 127*	*05/20/21 10:30*	*05/20/21 19:43*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*05/20/21 10:30*	*05/20/21 19:43*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 137*	*05/20/21 10:30*	*05/20/21 19:43*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*05/20/21 10:30*	*05/20/21 19:43*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 150*	*05/20/21 10:30*	*05/20/21 19:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Chlordane (technical)	0.072	U	0.072	0.018	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1
Methoxychlor	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1

Client Sample ID: WC-15 (0-5)
Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2
Matrix: Solid
Percent Solids: 92.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 17:09	05/20/21 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*10 - 150*	*05/19/21 17:09*	*05/20/21 10:31*	*1*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*05/19/21 17:09*	*05/20/21 10:31*	*1*
Tetrachloro-m-xylene	*50*		*10 - 133*	*05/19/21 17:09*	*05/20/21 10:31*	*1*
Tetrachloro-m-xylene	*47*		*10 - 133*	*05/19/21 17:09*	*05/20/21 10:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 05:32	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:32	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 05:32	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 05:32	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 05:32	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:32	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:32*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:32*	*1*
Tetrachloro-m-xylene	*47*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:32*	*1*
Tetrachloro-m-xylene	*49*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1254	0.072	U	0.072	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1260	0.072	U	0.072	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor-1262	0.072	U	0.072	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Aroclor 1268	0.072	U	0.072	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:15*	*1*
DCB Decachlorobiphenyl	*60*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:15*	*1*
Tetrachloro-m-xylene	*63*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:15*	*1*
Tetrachloro-m-xylene	*69*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:15*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	05/19/21 23:50	05/21/21 09:21	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 09:21	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	05/19/21 23:50	05/21/21 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:21*	*1*

Client Sample ID: WC-15 (0-5)
Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2
Matrix: Solid
Percent Solids: 92.5

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:21*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 08:13	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 08:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:13*	*1*
2,4-Dichlorophenylacetic acid	*51*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:13*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**120**		2.2	2.2	mg/Kg	☼	05/19/21 10:22	05/20/21 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*40 - 140*	*05/19/21 10:22*	*05/20/21 10:48*	*1*
1-Chlorooctadecane	*126*		*40 - 140*	*05/19/21 10:22*	*05/20/21 10:48*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:18	5
Barium	**0.47**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:18	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:18	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:18	5
Lead	**0.051**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:18	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:18	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:18	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8570**		17.6	2.3	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Antimony	0.88	U	0.88	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Arsenic	**1.7**		0.88	0.088	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Barium	**102**		1.8	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Beryllium	**0.42**		0.35	0.050	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Cadmium	**0.10**	**J**	0.88	0.099	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Calcium	**7010**		87.9	14.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Chromium	**16.5**		1.8	0.15	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Cobalt	**8.1**		1.8	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Copper	**33.0**		1.8	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Iron	**17200**		52.8	17.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Lead	**45.4**		0.53	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Magnesium	**4830**		87.9	9.0	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Manganese	**236**		3.5	0.35	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Nickel	**16.8**		1.8	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Potassium	**3600**		87.9	9.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Selenium	**0.16**	**J**	1.1	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Silver	0.88	U	0.88	0.078	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Sodium	**452**		87.9	13.7	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1

Client Sample ID: WC-15 (0-5)
Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2
Matrix: Solid
Percent Solids: 92.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.19**	**J**	0.35	0.036	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Vanadium	**24.0**		1.8	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1
Zinc	**60.8**		7.0	2.0	mg/Kg	☼	05/20/21 21:25	05/21/21 13:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.016	0.0039	mg/Kg	☼	05/19/21 04:03	05/19/21 09:45	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.8**	**HF**			SU			05/21/21 13:28	1
Corrosivity	**9.8**	**HF**			SU			05/21/21 13:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.43	U	0.43	0.14	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/21/21 08:01	05/21/21 11:46	1
Oil & Grease	**1170**		647	216	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**16.5**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**7.5**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**92.5**		1.0	1.0	%			05/19/21 08:33	1
Total Solids	**92.4**	**B**	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	**1.3**		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.9**				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.4**				S.U.			05/20/21 09:55	1
Temperature	**24.0**				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	**78.0**		10.0	10.0	mg/L			05/20/21 14:44	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0066	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Methylnaphthalene	**0.037**	**J**	0.37	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
3-Nitroaniline	0.37	U	0.37	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Acenaphthene	**0.028**	**J**	0.37	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Acenaphthylene	**0.028**	**J**	0.37	0.0037	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Anthracene	**0.085**	**J**	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzo[a]anthracene	**0.31**		0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzo[a]pyrene	**0.31**		0.037	0.0098	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzo[b]fluoranthene	**0.49**		0.037	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzo[g,h,i]perylene	**0.15**	**J**	0.37	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Benzo[k]fluoranthene	**0.18**		0.037	0.0072	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Bis(2-ethylhexyl) phthalate	**0.025**	**J**	0.37	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Carbazole	**0.042**	**J**	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Chrysene	**0.31**	**J**	0.37	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Dibenz(a,h)anthracene	**0.047**		0.037	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Dibenzofuran	**0.021**	**J**	0.37	0.0051	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Diethyl phthalate	0.37	U	0.37	0.0053	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Fluoranthene	**0.57**		0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Fluorene	**0.031**	**J**	0.37	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Indeno[1,2,3-cd]pyrene	**0.18**		0.037	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Naphthalene	**0.070**	**J**	0.37	0.0063	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Nitrobenzene	0.037	U	0.037	0.0088	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Phenanthrene	**0.31**	**J**	0.37	0.0064	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1
Pyrene	**0.47**		0.37	0.0091	mg/Kg	☼	05/19/21 10:40	05/20/21 04:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.49*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 04:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 123*	*05/19/21 10:40*	*05/20/21 04:34*	*1*
2-Fluorobiphenyl	*58*		*14 - 103*	*05/19/21 10:40*	*05/20/21 04:34*	*1*
2-Fluorophenol (Surr)	*63*		*10 - 105*	*05/19/21 10:40*	*05/20/21 04:34*	*1*
Nitrobenzene-d5 (Surr)	*60*		*11 - 104*	*05/19/21 10:40*	*05/20/21 04:34*	*1*
Phenol-d5 (Surr)	*63*		*15 - 100*	*05/19/21 10:40*	*05/20/21 04:34*	*1*
Terphenyl-d14 (Surr)	*66*		*12 - 126*	*05/19/21 10:40*	*05/20/21 04:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 20:07	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 20:07	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 20:07	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 20:07	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 20:07	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 20:07	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 20:07	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 20:07	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 20:07	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 20:07	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 20:07	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*	*05/20/21 10:30*	*05/20/21 20:07*	*1*
2-Fluorobiphenyl	*79*		*42 - 127*	*05/20/21 10:30*	*05/20/21 20:07*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*05/20/21 10:30*	*05/20/21 20:07*	*1*

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*97*		*46 - 137*	*05/20/21 10:30*	*05/20/21 20:07*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*05/20/21 10:30*	*05/20/21 20:07*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 150*	*05/20/21 10:30*	*05/20/21 20:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
4,4'-DDT	**0.0041**	**J**	0.0074	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	05/19/21 17:09	05/20/21 10:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*78*		*10 - 150*	*05/19/21 17:09*	*05/20/21 10:45*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*05/19/21 17:09*	*05/20/21 10:45*	*1*
Tetrachloro-m-xylene	*64*		*10 - 133*	*05/19/21 17:09*	*05/20/21 10:45*	*1*
Tetrachloro-m-xylene	*61*		*10 - 133*	*05/19/21 17:09*	*05/20/21 10:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 06:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 06:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 06:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 06:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*102*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:01*	*1*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:01*	*1*
Tetrachloro-m-xylene	*29*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:01*	*1*
Tetrachloro-m-xylene	*31*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:01*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1221	0.074	U	0.074	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1232	0.074	U	0.074	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1242	0.074	U	0.074	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1248	0.074	U	0.074	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:31*	*1*
DCB Decachlorobiphenyl	*82*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:31*	*1*
Tetrachloro-m-xylene	*76*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:31*	*1*
Tetrachloro-m-xylene	*84*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:31*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	05/19/21 23:50	05/21/21 09:36	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 09:36	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	05/19/21 23:50	05/21/21 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:36*	*1*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:36*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 08:26	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*55*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:26*	*1*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:26*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**160**		2.2	2.2	mg/Kg	☼	05/19/21 10:22	05/20/21 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:06*	*1*
1-Chlorooctadecane	*137*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:06*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:22	5
Barium	**0.60**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:22	5
Cadmium	**0.0017**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:22	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:22	5
Lead	**0.097**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:22	5

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:22	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:22	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6040**		17.7	2.3	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Antimony	**0.29**	**J**	0.89	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Arsenic	**3.2**		0.89	0.089	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Barium	**49.2**		1.8	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Beryllium	**0.31**	**J**	0.35	0.051	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Cadmium	**0.19**	**J**	0.89	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Calcium	**6800**		88.6	15.1	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Chromium	**29.4**		1.8	0.15	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Cobalt	**5.5**		1.8	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Copper	**46.4**		1.8	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Iron	**17300**		53.2	17.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Lead	**58.7**		0.53	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Magnesium	**3420**		88.6	9.0	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Manganese	**270**		3.5	0.36	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Nickel	**81.3**		1.8	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Potassium	**822**		88.6	9.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Selenium	**0.22**	**J**	1.1	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Silver	0.89	U	0.89	0.079	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Sodium	**182**		88.6	13.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Thallium	**0.071**	**J**	0.35	0.036	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Vanadium	**22.7**		1.8	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1
Zinc	**68.4**		7.1	2.0	mg/Kg	☼	05/20/21 21:25	05/21/21 13:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**		0.018	0.0042	mg/Kg	☼	05/19/21 04:03	05/19/21 09:47	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.1**	**HF**			SU			05/21/21 13:31	1
Corrosivity	**9.1**	**HF**			SU			05/21/21 13:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.42**	**J**	0.45	0.15	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	05/21/21 08:01	05/21/21 11:47	1
Oil & Grease	**594**	**J**	648	216	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**29.0**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-16 (0-5)
Lab Sample ID: 460-234565-3
Date Collected: 05/15/21 13:10
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 90.3

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.7		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	90.3		1.0	1.0	%			05/19/21 08:33	1
Total Solids	94.6	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	2.2		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.7				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	65.0		10.0	10.0	mg/L			05/20/21 14:44	1

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4
Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14_WC-15 (5-10)
Date Collected: 05/15/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-4
Matrix: Solid
Percent Solids: 93.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzo[a]anthracene	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzo[b]fluoranthene	**0.015**	**J**	0.035	0.0091	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Bis(2-ethylhexyl) phthalate	**0.12**	**J**	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Caprolactam	0.35	U *	0.35	0.055	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Chrysene	0.35	U	0.35	0.0060	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Fluorene	0.35	U	0.35	0.0048	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Phenanthrene	0.35	U	0.35	0.0062	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1
Pyrene	**0.013**	**J**	0.35	0.0088	mg/Kg	☼	05/19/21 10:40	05/19/21 23:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.29*	*J*	*mg/Kg*	☼	*2.54*		*05/19/21 10:40*	*05/19/21 23:08*	*1*
Aldol condensation product	*0.44*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/19/21 23:08*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14_WC-15 (5-10)

Date Collected: 05/15/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-4

Matrix: Solid
Percent Solids: 93.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*59*		*10 - 123*	*05/19/21 10:40*	*05/19/21 23:08*	*1*
2-Fluorobiphenyl	*64*		*14 - 103*	*05/19/21 10:40*	*05/19/21 23:08*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 105*	*05/19/21 10:40*	*05/19/21 23:08*	*1*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*	*05/19/21 10:40*	*05/19/21 23:08*	*1*
Phenol-d5 (Surr)	*67*		*15 - 100*	*05/19/21 10:40*	*05/19/21 23:08*	*1*
Terphenyl-d14 (Surr)	*77*		*12 - 126*	*05/19/21 10:40*	*05/19/21 23:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 20:30	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 20:30	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 20:30	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 20:30	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 20:30	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 20:30	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 20:30	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 20:30	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 20:30	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 20:30	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 20:30	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*108*		*33 - 150*	*05/20/21 10:30*	*05/20/21 20:30*	*1*
2-Fluorobiphenyl	*90*		*42 - 127*	*05/20/21 10:30*	*05/20/21 20:30*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*05/20/21 10:30*	*05/20/21 20:30*	*1*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*	*05/20/21 10:30*	*05/20/21 20:30*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*05/20/21 10:30*	*05/20/21 20:30*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 150*	*05/20/21 10:30*	*05/20/21 20:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14_WC-15 (5-10)

Date Collected: 05/15/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-4

Matrix: Solid
Percent Solids: 93.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/19/21 17:09	05/20/21 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:00*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:00*	*1*
Tetrachloro-m-xylene	*66*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:00*	*1*
Tetrachloro-m-xylene	*59*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 06:14	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:14	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 06:14	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 06:14	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 06:14	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:14	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:14*	*1*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:14*	*1*
Tetrachloro-m-xylene	*46*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:14*	*1*
Tetrachloro-m-xylene	*47*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:14*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0095	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1221	0.071	U	0.071	0.0095	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1232	0.071	U	0.071	0.0095	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1242	0.071	U	0.071	0.0095	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1248	0.071	U	0.071	0.0095	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1254	0.071	U	0.071	0.0098	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1260	**0.058**	**J**	0.071	0.0098	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor-1262	0.071	U	0.071	0.0098	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Aroclor 1268	0.071	U	0.071	0.0098	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1
Polychlorinated biphenyls, Total	**0.058**	**J**	0.071	0.0098	mg/Kg	☼	05/19/21 17:04	05/20/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:48*	*1*
DCB Decachlorobiphenyl	*80*		*37 - 150*	*05/19/21 17:04*	*05/20/21 14:48*	*1*
Tetrachloro-m-xylene	*75*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:48*	*1*
Tetrachloro-m-xylene	*83*		*54 - 150*	*05/19/21 17:04*	*05/20/21 14:48*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/19/21 23:50	05/21/21 09:51	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 09:51	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/19/21 23:50	05/21/21 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:51*	*1*

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4

Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.9

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*05/19/21 23:50*	*05/21/21 09:51*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 08:40	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*52*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:40*	*1*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:40*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.1	U	2.1	2.1	mg/Kg	☼	05/19/21 10:22	05/20/21 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*40 - 140*	*05/19/21 10:22*	*05/20/21 08:17*	*1*
1-Chlorooctadecane	*119*		*40 - 140*	*05/19/21 10:22*	*05/20/21 08:17*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:34	5
Barium	**0.32**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:34	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:34	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:34	5
Lead	0.050	U	0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:34	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:34	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:34	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5450**		19.4	2.5	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Antimony	0.97	U	0.97	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Arsenic	**1.1**		0.97	0.097	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Barium	**33.4**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Beryllium	**0.28**	**J**	0.39	0.055	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Cadmium	0.97	U	0.97	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Calcium	**626**		96.8	16.5	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Chromium	**10.7**		1.9	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Cobalt	**4.2**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Copper	**10.6**		1.9	0.21	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Iron	**9790**		58.1	19.6	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Lead	**3.6**		0.58	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Magnesium	**1690**		96.8	9.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Manganese	**254**		3.9	0.39	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Nickel	**9.1**		1.9	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Potassium	**757**		96.8	10.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Selenium	1.2	U	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Silver	0.97	U	0.97	0.086	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Sodium	**435**		96.8	15.1	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4

Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.9

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.040**	**J**	0.39	0.040	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Vanadium	**14.6**		1.9	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1
Zinc	**18.4**		7.7	2.2	mg/Kg	☼	05/20/21 21:25	05/21/21 13:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.017	0.0041	mg/Kg	☼	05/19/21 04:03	05/19/21 09:29	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**	**HF**			SU			05/21/21 13:21	1
Corrosivity	**8.8**	**HF**			SU			05/21/21 13:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.46	U	0.46	0.15	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	05/21/21 08:01	05/21/21 11:48	1
Oil & Grease	630	U	630	210	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**10.7**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**6.1**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**93.9**		1.0	1.0	%			05/19/21 08:33	1
Total Solids	**97.2**	**B**	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	**0.65**		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			05/20/21 09:55	1
Temperature	**24.0**				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**14.1**		10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	**66.0**		10.0	10.0	mg/L			05/20/21 14:44	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-17 (0-5)
Date Collected: 05/16/21 12:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-5
Matrix: Solid
Percent Solids: 94.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Methylnaphthalene	**0.016**	**J**	0.35	0.0097	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Acenaphthene	0.35	U	0.35	0.0099	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Acenaphthylene	**0.018**	**J**	0.35	0.0035	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Anthracene	**0.034**	**J**	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzo[a]anthracene	**0.16**		0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzo[a]pyrene	**0.16**		0.035	0.0093	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzo[b]fluoranthene	**0.26**		0.035	0.0090	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzo[g,h,i]perylene	**0.12**	**J**	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Benzo[k]fluoranthene	**0.084**		0.035	0.0068	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Bis(2-ethylhexyl) phthalate	**0.066**	**J**	0.35	0.018	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Caprolactam	0.35	U *	0.35	0.054	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Carbazole	**0.018**	**J**	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Chrysene	**0.16**	**J**	0.35	0.0059	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Dibenz(a,h)anthracene	**0.036**		0.035	0.015	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Dibenzofuran	**0.011**	**J**	0.35	0.0049	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Diethyl phthalate	0.35	U	0.35	0.0050	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1

Client Sample ID: WC-17 (0-5)
Date Collected: 05/16/21 12:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-5
Matrix: Solid
Percent Solids: 94.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Fluoranthene	**0.23**	**J**	0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Fluorene	**0.0098**	**J**	0.35	0.0047	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Indeno[1,2,3-cd]pyrene	**0.13**		0.035	0.014	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Naphthalene	**0.018**	**J**	0.35	0.0060	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Phenanthrene	**0.12**	**J**	0.35	0.0061	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1
Pyrene	**0.25**	**J**	0.35	0.0087	mg/Kg	☼	05/19/21 10:40	05/19/21 23:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.43*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/19/21 23:54*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*12.18*		*05/19/21 10:40*	*05/19/21 23:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*10 - 123*	*05/19/21 10:40*	*05/19/21 23:54*	*1*
2-Fluorobiphenyl	*62*		*14 - 103*	*05/19/21 10:40*	*05/19/21 23:54*	*1*
2-Fluorophenol (Surr)	*65*		*10 - 105*	*05/19/21 10:40*	*05/19/21 23:54*	*1*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*	*05/19/21 10:40*	*05/19/21 23:54*	*1*
Phenol-d5 (Surr)	*65*		*15 - 100*	*05/19/21 10:40*	*05/19/21 23:54*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 126*	*05/19/21 10:40*	*05/19/21 23:54*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 20:54	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 20:54	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 20:54	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 20:54	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 20:54	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 20:54	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 20:54	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 20:54	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 20:54	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 20:54	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 20:54	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*33 - 150*	*05/20/21 10:30*	*05/20/21 20:54*	*1*
2-Fluorobiphenyl	*88*		*42 - 127*	*05/20/21 10:30*	*05/20/21 20:54*	*1*

Client Sample ID: WC-17 (0-5)
Date Collected: 05/16/21 12:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-5
Matrix: Solid
Percent Solids: 94.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*56*		*18 - 72*	*05/20/21 10:30*	*05/20/21 20:54*	*1*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*	*05/20/21 10:30*	*05/20/21 20:54*	*1*
Phenol-d5 (Surr)	*43*		*10 - 50*	*05/20/21 10:30*	*05/20/21 20:54*	*1*
Terphenyl-d14 (Surr)	*99*		*39 - 150*	*05/20/21 10:30*	*05/20/21 20:54*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☼	05/19/21 17:09	05/20/21 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:15*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:15*	*1*
Tetrachloro-m-xylene	*63*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:15*	*1*
Tetrachloro-m-xylene	*63*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 06:26	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:26	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 06:26	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 06:26	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 06:26	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:26	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:26*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:26*	*1*
Tetrachloro-m-xylene	*51*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:26*	*1*
Tetrachloro-m-xylene	*51*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:26*	*1*

Client Sample ID: WC-17 (0-5)
Date Collected: 05/16/21 12:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-5
Matrix: Solid
Percent Solids: 94.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0097	mg/Kg	☼	05/19/21 17:04	05/20/21 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:04*	*1*
DCB Decachlorobiphenyl	*85*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:04*	*1*
Tetrachloro-m-xylene	*78*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:04*	*1*
Tetrachloro-m-xylene	*86*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:04*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/19/21 23:50	05/21/21 10:05	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 10:05	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/19/21 23:50	05/21/21 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:05*	*1*
2,4-Dichlorophenylacetic acid	*93*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:05*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 08:53	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:53*	*1*
2,4-Dichlorophenylacetic acid	*52*		*28 - 150*	*05/20/21 23:54*	*05/21/21 08:53*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**250**		2.1	2.1	mg/Kg	☼	05/19/21 10:22	05/20/21 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:20*	*1*
1-Chlorooctadecane	*77*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:20*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:38	5
Barium	**0.58**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:38	5
Cadmium	**0.0016**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:38	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:38	5
Lead	**0.30**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:38	5

Client Sample ID: WC-17 (0-5)
Date Collected: 05/16/21 12:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-5
Matrix: Solid
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:38	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:38	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		16.6	2.2	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Antimony	**0.22**	**J**	0.83	0.12	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Arsenic	**2.8**		0.83	0.083	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Barium	**53.4**		1.7	0.12	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Beryllium	**0.31**	**J**	0.33	0.047	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Cadmium	**0.16**	**J**	0.83	0.094	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Calcium	**12000**		82.9	14.1	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Chromium	**13.4**		1.7	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Cobalt	**5.5**		1.7	0.12	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Copper	**42.0**		1.7	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Iron	**13200**		49.8	16.8	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Lead	**48.3**		0.50	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Magnesium	**6470**		82.9	8.5	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Manganese	**239**		3.3	0.33	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Nickel	**13.9**		1.7	0.16	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Potassium	**1000**		82.9	9.3	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Selenium	**0.18**	**J**	1.0	0.098	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Silver	0.83	U	0.83	0.074	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Sodium	**279**		82.9	12.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Thallium	**0.093**	**J**	0.33	0.034	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Vanadium	**22.8**		1.7	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1
Zinc	**53.7**		6.6	1.9	mg/Kg	☼	05/20/21 21:25	05/21/21 13:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.047**		0.017	0.0040	mg/Kg	☼	05/19/21 04:03	05/19/21 09:49	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**	**HF**			SU			05/21/21 13:33	1
Corrosivity	**9.4**	**HF**			SU			05/21/21 13:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.72**		0.41	0.14	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/21/21 08:01	05/21/21 11:48	1
Oil & Grease	**574**	**J**	627	209	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**12.7**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-17 (0-5)

Lab Sample ID: 460-234565-5
Date Collected: 05/16/21 12:05
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.9

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.1		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	94.9		1.0	1.0	%			05/19/21 08:33	1
Total Solids	94.0	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	1.8		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.7				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.3				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	14.4		10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	78.0		10.0	10.0	mg/L			05/20/21 14:44	1

Client Sample ID: WC-16_WC-17 (5-10)

Lab Sample ID: 460-234565-6
Date Collected: 05/16/21 12:15
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4-Dimethylphenol	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Methylnaphthalene	0.023	J	0.35	0.0099	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
2-Nitrophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.14	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1

Client Sample ID: WC-16_WC-17 (5-10)
Lab Sample ID: 460-234565-6

Date Collected: 05/16/21 12:15
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 93.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Acenaphthene	**0.017**	**J**	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Acenaphthylene	**0.015**	**J**	0.35	0.0036	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Anthracene	**0.052**	**J**	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzo[a]anthracene	**0.22**		0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzo[a]pyrene	**0.21**		0.035	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzo[b]fluoranthene	**0.29**		0.035	0.0092	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzo[g,h,i]perylene	**0.14**	**J**	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Benzo[k]fluoranthene	**0.10**		0.035	0.0070	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Bis(2-ethylhexyl) phthalate	**0.11**	**J**	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Caprolactam	0.35	U *	0.35	0.055	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Carbazole	**0.023**	**J**	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Chrysene	**0.21**	**J**	0.35	0.0060	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Dibenz(a,h)anthracene	**0.032**	**J**	0.035	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Dibenzofuran	**0.019**	**J**	0.35	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Dimethyl phthalate	0.35	U	0.35	0.081	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Fluoranthene	**0.35**		0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Fluorene	**0.016**	**J**	0.35	0.0048	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.035	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Naphthalene	**0.028**	**J**	0.35	0.0061	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Phenanthrene	**0.21**	**J**	0.35	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1
Pyrene	**0.35**		0.35	0.0088	mg/Kg	☼	05/19/21 10:40	05/20/21 00:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.33*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 00:18*	*1*

Client Sample ID: WC-16_WC-17 (5-10)
Lab Sample ID: 460-234565-6
Date Collected: 05/16/21 12:15
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*37*		*10 - 123*	*05/19/21 10:40*	*05/20/21 00:18*	*1*
2-Fluorobiphenyl	*41*		*14 - 103*	*05/19/21 10:40*	*05/20/21 00:18*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 105*	*05/19/21 10:40*	*05/20/21 00:18*	*1*
Nitrobenzene-d5 (Surr)	*42*		*11 - 104*	*05/19/21 10:40*	*05/20/21 00:18*	*1*
Phenol-d5 (Surr)	*44*		*15 - 100*	*05/19/21 10:40*	*05/20/21 00:18*	*1*
Terphenyl-d14 (Surr)	*48*		*12 - 126*	*05/19/21 10:40*	*05/20/21 00:18*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 21:18	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 21:18	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 21:18	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 21:18	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 21:18	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 21:18	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 21:18	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 21:18	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 21:18	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 21:18	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 21:18	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*33 - 150*	*05/20/21 10:30*	*05/20/21 21:18*	*1*
2-Fluorobiphenyl	*88*		*42 - 127*	*05/20/21 10:30*	*05/20/21 21:18*	*1*
2-Fluorophenol (Surr)	*53*		*18 - 72*	*05/20/21 10:30*	*05/20/21 21:18*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 137*	*05/20/21 10:30*	*05/20/21 21:18*	*1*
Phenol-d5 (Surr)	*42*		*10 - 50*	*05/20/21 10:30*	*05/20/21 21:18*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 150*	*05/20/21 10:30*	*05/20/21 21:18*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00067	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16_WC-17 (5-10)

Date Collected: 05/16/21 12:15
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-6

Matrix: Solid
Percent Solids: 93.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 17:09	05/20/21 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:29*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:29*	*1*
Tetrachloro-m-xylene	*66*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:29*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 06:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 06:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 06:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 06:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:38*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:38*	*1*
Tetrachloro-m-xylene	*43*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:38*	*1*
Tetrachloro-m-xylene	*43*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1260	**0.15**		0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1
Polychlorinated biphenyls, Total	**0.15**		0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:21*	*1*
DCB Decachlorobiphenyl	*78*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:21*	*1*
Tetrachloro-m-xylene	*72*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:21*	*1*
Tetrachloro-m-xylene	*80*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:21*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	05/19/21 23:50	05/21/21 10:20	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 10:20	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	05/19/21 23:50	05/21/21 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:20*	*1*

Client Sample ID: WC-16_WC-17 (5-10)
Lab Sample ID: 460-234565-6

Date Collected: 05/16/21 12:15
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 93.2

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:20*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 09:07	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:07*	*1*
2,4-Dichlorophenylacetic acid	*52*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:07*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**280**		2.1	2.1	mg/Kg	☼	05/19/21 10:22	05/20/21 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:34*	*1*
1-Chlorooctadecane	*131*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:34*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:42	5
Barium	**0.62**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:42	5
Cadmium	**0.0017**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:42	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:42	5
Lead	**0.14**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:42	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:42	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:42	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5370**		18.5	2.4	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Antimony	**0.21**	**J**	0.93	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Arsenic	**2.6**		0.93	0.093	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Barium	**47.0**		1.9	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Beryllium	**0.27**	**J**	0.37	0.053	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Cadmium	**0.16**	**J**	0.93	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Calcium	**5560**		92.5	15.7	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Chromium	**11.6**		1.9	0.16	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Cobalt	**5.1**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Copper	**33.3**		1.9	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Iron	**11700**		55.5	18.7	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Lead	**40.7**		0.56	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Magnesium	**3250**		92.5	9.4	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Manganese	**304**		3.7	0.37	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Nickel	**13.7**		1.9	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Potassium	**824**		92.5	10.4	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Selenium	**0.14**	**J**	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Silver	0.93	U	0.93	0.082	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Sodium	**201**		92.5	14.4	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1

Client Sample ID: WC-16_WC-17 (5-10)
Date Collected: 05/16/21 12:15
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-6
Matrix: Solid
Percent Solids: 93.2

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.068**	**J**	0.37	0.038	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Vanadium	**23.7**		1.9	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1
Zinc	**50.1**		7.4	2.1	mg/Kg	☼	05/20/21 21:25	05/21/21 14:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.017	0.0041	mg/Kg	☼	05/19/21 04:03	05/19/21 09:51	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.7**	**HF**			SU			05/21/21 13:35	1
Corrosivity	**9.7**	**HF**			SU			05/21/21 13:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/21/21 08:01	05/21/21 11:49	1
Oil & Grease	**685**		632	211	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**11.6**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**6.8**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**93.2**		1.0	1.0	%			05/19/21 08:33	1
Total Solids	**93.2**	**B**	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	**3.2**		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.6**				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			05/20/21 09:55	1
Temperature	**24.0**				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.8**	**J**	5.2	1.5	mg/L			05/25/21 16:48	1
Ammonia	**0.17**		0.10	0.050	mg/L			05/23/21 22:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	**57.0**		10.0	10.0	mg/L			05/20/21 14:44	1

Client Sample ID: WC-15C (0-2)
Date Collected: 05/17/21 07:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-7
Matrix: Solid
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U *	0.0015	0.00046	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00035	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00028	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00071	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00046	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00065	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00035	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
2-Butanone (MEK)	0.0077	U *	0.0077	0.00057	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
2-Hexanone	0.0077	U	0.0077	0.0026	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
4-Methyl-2-pentanone (MIBK)	0.0077	U	0.0077	0.0024	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Acetone	0.0092	U	0.0092	0.0088	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Benzene	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Bromoform	0.0015	U	0.0015	0.00065	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Bromomethane	0.0031	U	0.0031	0.0015	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Carbon disulfide	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Carbon tetrachloride	0.0015	U	0.0015	0.00060	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chlorobromomethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chlorodibromomethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chloroethane	0.0015	U	0.0015	0.00080	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Chloromethane	0.0015	U	0.0015	0.00067	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Cyclohexane	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Dichlorobromomethane	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00052	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Ethylbenzene	0.0015	U	0.0015	0.00031	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Ethylene Dibromide	0.0015	U	0.0015	0.00028	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Isopropylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Methyl acetate	0.0077	U	0.0077	0.0066	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00079	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Methylcyclohexane	0.0015	U	0.0015	0.00077	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
o-Xylene	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Styrene	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Tetrachloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Toluene	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00038	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Trichloroethene	0.0015	U	0.0015	0.00049	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1

Client Sample ID: WC-15C (0-2)
Lab Sample ID: 460-234565-7

Date Collected: 05/17/21 07:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0015	U	0.0015	0.00063	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1
Vinyl chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	05/18/21 21:33	05/20/21 11:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:33*	*05/20/21 11:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*	*05/18/21 21:33*	*05/20/21 11:19*	*1*
4-Bromofluorobenzene	*109*		*70 - 139*	*05/18/21 21:33*	*05/20/21 11:19*	*1*
Dibromofluoromethane (Surr)	*126*		*48 - 150*	*05/18/21 21:33*	*05/20/21 11:19*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/18/21 21:33*	*05/20/21 11:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 15:15	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 15:15	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 15:15	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 15:15	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 15:15	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 15:15	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 15:15	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 15:15	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 15:15	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 15:15	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 15:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/20/21 15:15*	*10*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/20/21 15:15*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 15:15*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/20/21 15:15*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**94.1**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-15B (8-10)
Lab Sample ID: 460-234565-8

Date Collected: 05/17/21 07:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0022	U	0.0022	0.00052	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,1,2,2-Tetrachloroethane	0.0022	U	0.0022	0.00048	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0022	U *	0.0022	0.00067	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,1,2-Trichloroethane	0.0022	U	0.0022	0.00040	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,1-Dichloroethane	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,1-Dichloroethene	0.0022	U	0.0022	0.00050	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,2,3-Trichlorobenzene	0.0022	U	0.0022	0.00040	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,2,4-Trichlorobenzene	0.0022	U	0.0022	0.00080	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-15B (8-10)
Date Collected: 05/17/21 07:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-8
Matrix: Solid
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0022	U	0.0022	0.0010	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,2-Dichlorobenzene	0.0022	U	0.0022	0.00080	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,2-Dichloroethane	0.0022	U	0.0022	0.00066	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,2-Dichloropropane	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,3-Dichlorobenzene	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
1,4-Dichlorobenzene	0.0022	U	0.0022	0.00050	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
2-Butanone (MEK)	0.011	U *	0.011	0.00082	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
2-Hexanone	0.011	U	0.011	0.0038	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
4-Methyl-2-pentanone (MIBK)	0.011	U	0.011	0.0035	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Acetone	0.013	U	0.013	0.013	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Benzene	0.0022	U	0.0022	0.00057	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Bromoform	0.0022	U	0.0022	0.00095	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Bromomethane	0.0045	U	0.0045	0.0022	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Carbon disulfide	0.0022	U	0.0022	0.00059	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Carbon tetrachloride	0.0022	U	0.0022	0.00086	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chlorobenzene	0.0022	U	0.0022	0.00039	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chlorobromomethane	0.0022	U	0.0022	0.00063	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chlorodibromomethane	0.0022	U	0.0022	0.00043	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chloroethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chloroform	0.0022	U	0.0022	0.0022	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Chloromethane	0.0022	U	0.0022	0.00097	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
cis-1,2-Dichloroethene	0.0022	U	0.0022	0.00080	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
cis-1,3-Dichloropropene	0.0022	U	0.0022	0.00061	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Cyclohexane	0.0022	U	0.0022	0.00049	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Dichlorobromomethane	0.0022	U	0.0022	0.00057	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Dichlorodifluoromethane	0.0022	U	0.0022	0.00075	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Ethylbenzene	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Ethylene Dibromide	0.0022	U	0.0022	0.00040	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Isopropylbenzene	0.0022	U	0.0022	0.00063	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Methyl acetate	0.011	U	0.011	0.0096	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Methyl tert-butyl ether	0.0022	U	0.0022	0.0011	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Methylcyclohexane	0.0022	U	0.0022	0.0011	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Methylene Chloride	0.0045	U	0.0045	0.0025	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
m-Xylene & p-Xylene	0.0022	U	0.0022	0.00039	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
o-Xylene	0.0022	U	0.0022	0.00043	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Styrene	0.0022	U	0.0022	0.00062	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Tetrachloroethene	0.0022	U	0.0022	0.00068	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Toluene	0.0022	U	0.0022	0.00052	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
trans-1,2-Dichloroethene	0.0022	U	0.0022	0.00055	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
trans-1,3-Dichloropropene	0.0022	U	0.0022	0.00059	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Trichloroethene	0.0022	U	0.0022	0.00071	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Trichlorofluoromethane	0.0022	U	0.0022	0.00090	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1
Vinyl chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	05/18/21 21:34	05/20/21 11:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:34*	*05/20/21 11:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*	*05/18/21 21:34*	*05/20/21 11:43*	*1*
4-Bromofluorobenzene	*120*		*70 - 139*	*05/18/21 21:34*	*05/20/21 11:43*	*1*

Client Sample ID: WC-15B (8-10)
Lab Sample ID: 460-234565-8
Date Collected: 05/17/21 07:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.0

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*137*		*48 - 150*	*05/18/21 21:34*	*05/20/21 11:43*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*	*05/18/21 21:34*	*05/20/21 11:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 15:41	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 15:41	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 15:41	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 15:41	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 15:41	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 15:41	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 15:41	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 15:41	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 15:41	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 15:41	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 15:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/20/21 15:41*	*10*
4-Bromofluorobenzene	*99*		*76 - 120*		*05/20/21 15:41*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*05/20/21 15:41*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/20/21 15:41*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.0**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**94.0**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-16A (0-2)
Lab Sample ID: 460-234565-9
Date Collected: 05/17/21 07:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00039	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
2-Butanone (MEK)	0.0064	U *	0.0064	0.00047	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16A (0-2)
Date Collected: 05/17/21 07:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-9
Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Acetone	0.0077	U	0.0077	0.0074	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	05/18/21 21:34	05/20/21 12:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:34*	*05/20/21 12:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*05/18/21 21:34*	*05/20/21 12:07*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/18/21 21:34*	*05/20/21 12:07*	*1*
Dibromofluoromethane (Surr)	*126*		*48 - 150*	*05/18/21 21:34*	*05/20/21 12:07*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/18/21 21:34*	*05/20/21 12:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 16:07	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 16:07	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 16:07	10

Client Sample ID: WC-16A (0-2)
Lab Sample ID: 460-234565-9

Date Collected: 05/17/21 07:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 16:07	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 16:07	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 16:07	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 16:07	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 16:07	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 16:07	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 16:07	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 16:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/20/21 16:07*	*10*
4-Bromofluorobenzene	*110*		*76 - 120*		*05/20/21 16:07*	*10*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/20/21 16:07*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/20/21 16:07*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.7**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**96.3**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-17D (5-7)
Lab Sample ID: 460-234565-10

Date Collected: 05/17/21 07:55
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U *	0.0012	0.00036	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
2-Butanone (MEK)	0.0059	U *	0.0059	0.00044	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
2-Hexanone	0.0059	U	0.0059	0.0020	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
4-Methyl-2-pentanone (MIBK)	0.0059	U	0.0059	0.0018	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Acetone	0.0071	U	0.0071	0.0068	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1

Client Sample ID: WC-17D (5-7)
Date Collected: 05/17/21 07:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-10
Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Chloroethane	0.0012	U	0.0012	0.00062	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Methyl acetate	0.0059	U	0.0059	0.0051	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Methylcyclohexane	0.0012	U	0.0012	0.00059	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Trichloroethene	**0.00050**	**J**	0.0012	0.00038	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	05/18/21 21:35	05/20/21 12:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:35*	*05/20/21 12:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 145*	*05/18/21 21:35*	*05/20/21 12:30*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*05/18/21 21:35*	*05/20/21 12:30*	*1*
Dibromofluoromethane (Surr)	*125*		*48 - 150*	*05/18/21 21:35*	*05/20/21 12:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/18/21 21:35*	*05/20/21 12:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 16:33	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 16:33	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 16:33	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 16:33	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 16:33	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 16:33	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 16:33	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 16:33	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 16:33	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 16:33	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 16:33	10

Client Sample ID: WC-17D (5-7)
Lab Sample ID: 460-234565-10

Date Collected: 05/17/21 07:55
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		05/20/21 16:33	10
4-Bromofluorobenzene	105		76 - 120		05/20/21 16:33	10
Dibromofluoromethane (Surr)	106		77 - 124		05/20/21 16:33	10
Toluene-d8 (Surr)	99		80 - 120		05/20/21 16:33	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.8		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	94.2		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-17A (0-2)
Lab Sample ID: 460-234565-11

Date Collected: 05/17/21 06:45
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00039	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
2-Butanone (MEK)	0.0064	U *	0.0064	0.00047	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-17A (0-2)

Date Collected: 05/17/21 06:45
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-11

Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Trichloroethene	**0.00051**	**J**	0.0013	0.00041	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	05/18/21 21:35	05/20/21 12:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:35*	*05/20/21 12:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*	*05/18/21 21:35*	*05/20/21 12:54*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/18/21 21:35*	*05/20/21 12:54*	*1*
Dibromofluoromethane (Surr)	*126*		*48 - 150*	*05/18/21 21:35*	*05/20/21 12:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/18/21 21:35*	*05/20/21 12:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 16:59	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 16:59	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 16:59	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 16:59	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 16:59	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 16:59	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 16:59	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 16:59	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 16:59	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 16:59	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 16:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*05/20/21 16:59*	*10*
4-Bromofluorobenzene	*107*		*76 - 120*		*05/20/21 16:59*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 16:59*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/20/21 16:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**93.2**		1.0	1.0	%			05/19/21 08:33	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-19B (6-8)
Date Collected: 05/17/21 10:15
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-12
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0017	U	0.0017	0.00040	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	0.00037	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U *	0.0017	0.00051	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,1,2-Trichloroethane	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,1-Dichloroethane	0.0017	U	0.0017	0.00035	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,1-Dichloroethene	0.0017	U	0.0017	0.00038	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2,3-Trichlorobenzene	0.0017	U	0.0017	0.00031	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2,4-Trichlorobenzene	0.0017	U	0.0017	0.00061	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.00079	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2-Dichlorobenzene	0.0017	U	0.0017	0.00062	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2-Dichloroethane	0.0017	U	0.0017	0.00051	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,2-Dichloropropane	0.0017	U	0.0017	0.00072	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,3-Dichlorobenzene	0.0017	U	0.0017	0.00062	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
1,4-Dichlorobenzene	0.0017	U	0.0017	0.00038	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
2-Butanone (MEK)	0.0086	U *	0.0086	0.00063	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
2-Hexanone	0.0086	U	0.0086	0.0029	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
4-Methyl-2-pentanone (MIBK)	0.0086	U	0.0086	0.0027	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Acetone	0.010	U	0.010	0.0098	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Benzene	0.0017	U	0.0017	0.00044	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Bromoform	0.0017	U	0.0017	0.00073	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Bromomethane	0.0034	U	0.0034	0.0017	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Carbon disulfide	0.0017	U	0.0017	0.00046	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Carbon tetrachloride	0.0017	U	0.0017	0.00066	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chlorobenzene	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chlorobromomethane	0.0017	U	0.0017	0.00048	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chlorodibromomethane	0.0017	U	0.0017	0.00033	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chloroethane	0.0017	U	0.0017	0.00089	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chloroform	0.0017	U	0.0017	0.0017	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Chloromethane	0.0017	U	0.0017	0.00074	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
cis-1,2-Dichloroethene	0.0017	U	0.0017	0.00061	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
cis-1,3-Dichloropropene	0.0017	U	0.0017	0.00047	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Cyclohexane	0.0017	U	0.0017	0.00038	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Dichlorobromomethane	0.0017	U	0.0017	0.00044	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Dichlorodifluoromethane	0.0017	U	0.0017	0.00058	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Ethylbenzene	0.0017	U	0.0017	0.00034	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Ethylene Dibromide	0.0017	U	0.0017	0.00031	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Isopropylbenzene	0.0017	U	0.0017	0.00049	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Methyl acetate	0.0086	U	0.0086	0.0074	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Methyl tert-butyl ether	0.0017	U	0.0017	0.00088	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Methylcyclohexane	0.0017	U	0.0017	0.00085	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Methylene Chloride	**0.0061**		0.0034	0.0020	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
m-Xylene & p-Xylene	0.0017	U	0.0017	0.00030	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
o-Xylene	0.0017	U	0.0017	0.00033	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Styrene	0.0017	U	0.0017	0.00048	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Tetrachloroethene	0.0017	U	0.0017	0.00052	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Toluene	0.0017	U	0.0017	0.00040	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
trans-1,2-Dichloroethene	0.0017	U	0.0017	0.00042	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
trans-1,3-Dichloropropene	0.0017	U	0.0017	0.00046	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Trichloroethene	**0.0016**	**J**	0.0017	0.00055	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1

Client Sample ID: WC-19B (6-8)
Lab Sample ID: 460-234565-12
Date Collected: 05/17/21 10:15
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0017	U	0.0017	0.00069	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1
Vinyl chloride	0.0017	U	0.0017	0.00093	mg/Kg	☼	05/18/21 21:36	05/20/21 13:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:36*	*05/20/21 13:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*05/18/21 21:36*	*05/20/21 13:17*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*05/18/21 21:36*	*05/20/21 13:17*	*1*
Dibromofluoromethane (Surr)	*120*		*48 - 150*	*05/18/21 21:36*	*05/20/21 13:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/18/21 21:36*	*05/20/21 13:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 17:25	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 17:25	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 17:25	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 17:25	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 17:25	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 17:25	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 17:25	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 17:25	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 17:25	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 17:25	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 17:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*05/20/21 17:25*	*10*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/20/21 17:25*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 17:25*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/20/21 17:25*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**90.8**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-18A (10-12)
Lab Sample ID: 460-234565-13
Date Collected: 05/17/21 10:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00031	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1

Client Sample ID: WC-18A (10-12)
Date Collected: 05/17/21 10:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-13
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
2-Butanone (MEK)	0.0051	U *	0.0051	0.00037	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Acetone	**0.0070**		0.0061	0.0058	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Methylene Chloride	**0.0039**		0.0020	0.0012	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	05/18/21 21:37	05/20/21 13:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:37*	*05/20/21 13:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*77 - 145*	*05/18/21 21:37*	*05/20/21 13:41*	*1*
4-Bromofluorobenzene	*119*		*70 - 139*	*05/18/21 21:37*	*05/20/21 13:41*	*1*

Client Sample ID: WC-18A (10-12)
Lab Sample ID: 460-234565-13
Date Collected: 05/17/21 10:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 86.2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*140*		*48 - 150*	*05/18/21 21:37*	*05/20/21 13:41*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*05/18/21 21:37*	*05/20/21 13:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 17:51	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 17:51	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 17:51	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 17:51	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 17:51	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 17:51	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 17:51	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 17:51	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 17:51	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 17:51	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 17:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/20/21 17:51*	*10*
4-Bromofluorobenzene	*99*		*76 - 120*		*05/20/21 17:51*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 17:51*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/20/21 17:51*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.8**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**86.2**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-30B (3-5)
Lab Sample ID: 460-234565-14
Date Collected: 05/17/21 10:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00039	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
2-Butanone (MEK)	0.0065	U *	0.0065	0.00048	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-30B (3-5)
Date Collected: 05/17/21 10:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-14
Matrix: Solid
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Acetone	0.0078	U	0.0078	0.0074	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Trichloroethene	**0.00062**	**J**	0.0013	0.00042	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	05/18/21 21:37	05/20/21 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:37*	*05/20/21 14:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*05/18/21 21:37*	*05/20/21 14:04*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*05/18/21 21:37*	*05/20/21 14:04*	*1*
Dibromofluoromethane (Surr)	*127*		*48 - 150*	*05/18/21 21:37*	*05/20/21 14:04*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*05/18/21 21:37*	*05/20/21 14:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 18:17	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 18:17	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 18:17	10

Client Sample ID: WC-30B (3-5)
Lab Sample ID: 460-234565-14
Date Collected: 05/17/21 10:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 18:17	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 18:17	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 18:17	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 18:17	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 18:17	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 18:17	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 18:17	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 18:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/20/21 18:17*	*10*
4-Bromofluorobenzene	*99*		*76 - 120*		*05/20/21 18:17*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/20/21 18:17*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/20/21 18:17*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**92.9**		1.0	1.0	%			05/19/21 08:33	1

Client Sample ID: WC-30 (0-5)
Lab Sample ID: 460-234565-15
Date Collected: 05/17/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 82.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.40	U	0.40	0.0053	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
1,2,4,5-Tetrachlorobenzene	0.40	U	0.40	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
1,4-Dioxane	0.040	U	0.040	0.035	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,2'-oxybis[1-chloropropane]	0.40	U	0.40	0.0073	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,3,4,6-Tetrachlorophenol	0.40	U	0.40	0.027	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4,5-Trichlorophenol	0.40	U	0.40	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.051	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4-Dichlorophenol	0.16	U	0.16	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4-Dimethylphenol	0.40	U	0.40	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4-Dinitrophenol	0.32	U	0.32	0.20	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,4-Dinitrotoluene	0.081	U	0.081	0.043	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2,6-Dinitrotoluene	0.081	U	0.081	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Chloronaphthalene	0.40	U	0.40	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Chlorophenol	0.40	U	0.40	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Methylnaphthalene	**0.036**	**J**	0.40	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Methylphenol	0.40	U	0.40	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Nitroaniline	0.40	U	0.40	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
2-Nitrophenol	0.40	U	0.40	0.040	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.061	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
3-Nitroaniline	0.40	U	0.40	0.045	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Bromophenyl phenyl ether	0.40	U	0.40	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Chloro-3-methylphenol	0.40	U	0.40	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Chloroaniline	0.40	U	0.40	0.071	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1

Client Sample ID: WC-30 (0-5)
Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15
Matrix: Solid
Percent Solids: 82.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	0.40	U	0.40	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Methylphenol	0.40	U	0.40	0.025	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Nitroaniline	0.40	U	0.40	0.046	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
4-Nitrophenol	0.81	U	0.81	0.065	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Acenaphthene	**0.077**	**J**	0.40	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Acenaphthylene	**0.058**	**J**	0.40	0.0040	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Acetophenone	0.40	U	0.40	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Anthracene	**1.9**		0.40	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Atrazine	0.16	U	0.16	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzaldehyde	0.40	U	0.40	0.066	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzo[a]anthracene	**0.44**		0.040	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzo[a]pyrene	**0.35**		0.040	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzo[b]fluoranthene	**0.61**		0.040	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzo[g,h,i]perylene	**0.17**	**J**	0.40	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Benzo[k]fluoranthene	**0.23**		0.040	0.0079	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Bis(2-chloroethoxy)methane	0.40	U	0.40	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Bis(2-chloroethyl)ether	0.040	U	0.040	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Bis(2-ethylhexyl) phthalate	**0.059**	**J**	0.40	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Butyl benzyl phthalate	0.40	U	0.40	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Caprolactam	0.40	U *	0.40	0.062	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Carbazole	**0.10**	**J**	0.40	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Chrysene	**0.72**		0.40	0.0068	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Dibenz(a,h)anthracene	**0.053**		0.040	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Dibenzofuran	**0.095**	**J**	0.40	0.0056	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Diethyl phthalate	0.40	U	0.40	0.0058	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Dimethyl phthalate	0.40	U	0.40	0.091	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Di-n-butyl phthalate	**0.015**	**J**	0.40	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Di-n-octyl phthalate	0.40	U	0.40	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Fluoranthene	**1.5**		0.40	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Fluorene	**0.23**	**J**	0.40	0.0054	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Hexachlorobenzene	0.040	U	0.040	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Hexachlorobutadiene	0.081	U	0.081	0.0085	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Hexachlorocyclopentadiene	0.40	U	0.40	0.035	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Hexachloroethane	0.040	U	0.040	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.040	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Isophorone	0.16	U	0.16	0.12	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Naphthalene	**0.041**	**J**	0.40	0.0069	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Nitrobenzene	0.040	U	0.040	0.0096	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
N-Nitrosodi-n-propylamine	0.040	U	0.040	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
N-Nitrosodiphenylamine	0.40	U	0.40	0.033	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Pentachlorophenol	0.32	U	0.32	0.082	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Phenanthrene	**1.1**		0.40	0.0070	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Phenol	0.40	U	0.40	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1
Pyrene	**1.1**		0.40	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 06:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.46*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 06:09*	*1*
Unknown	*0.71*	*J*	*mg/Kg*	☼	*12.19*		*05/19/21 10:40*	*05/20/21 06:09*	*1*

Client Sample ID: WC-30 (0-5)
Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15
Matrix: Solid
Percent Solids: 82.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*10 - 123*	*05/19/21 10:40*	*05/20/21 06:09*	*1*
2-Fluorobiphenyl	*54*		*14 - 103*	*05/19/21 10:40*	*05/20/21 06:09*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 105*	*05/19/21 10:40*	*05/20/21 06:09*	*1*
Nitrobenzene-d5 (Surr)	*53*		*11 - 104*	*05/19/21 10:40*	*05/20/21 06:09*	*1*
Phenol-d5 (Surr)	*58*		*15 - 100*	*05/19/21 10:40*	*05/20/21 06:09*	*1*
Terphenyl-d14 (Surr)	*58*		*12 - 126*	*05/19/21 10:40*	*05/20/21 06:09*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 21:41	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 21:41	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 21:41	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 21:41	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 21:41	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 21:41	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 21:41	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 21:41	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 21:41	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 21:41	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 21:41	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*33 - 150*	*05/20/21 10:30*	*05/20/21 21:41*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*05/20/21 10:30*	*05/20/21 21:41*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*05/20/21 10:30*	*05/20/21 21:41*	*1*
Nitrobenzene-d5 (Surr)	*101*		*46 - 137*	*05/20/21 10:30*	*05/20/21 21:41*	*1*
Phenol-d5 (Surr)	*36*		*10 - 50*	*05/20/21 10:30*	*05/20/21 21:41*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 150*	*05/20/21 10:30*	*05/20/21 21:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0081	U	0.0081	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
4,4'-DDE	0.0081	U	0.0081	0.00096	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
4,4'-DDT	0.0081	U	0.0081	0.0015	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Aldrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
alpha-BHC	0.0024	U	0.0024	0.00082	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
beta-BHC	0.0024	U	0.0024	0.00091	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Chlordane (technical)	0.081	U	0.081	0.020	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
delta-BHC	0.0024	U	0.0024	0.00050	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Dieldrin	0.0024	U	0.0024	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endosulfan I	0.0081	U	0.0081	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endosulfan II	0.0081	U	0.0081	0.0021	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endosulfan sulfate	0.0081	U	0.0081	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endrin aldehyde	0.0081	U	0.0081	0.0019	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Endrin ketone	0.0081	U	0.0081	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00075	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Heptachlor	0.0081	U	0.0081	0.00096	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Heptachlor epoxide	0.0081	U	0.0081	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1
Methoxychlor	0.0081	U	0.0081	0.0019	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1

Client Sample ID: WC-30 (0-5)
Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15
Matrix: Solid
Percent Solids: 82.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.081	U	0.081	0.029	mg/Kg	☼	05/19/21 17:09	05/20/21 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:44*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:44*	*1*
Tetrachloro-m-xylene	*34*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:44*	*1*
Tetrachloro-m-xylene	*35*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 06:50	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:50	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 06:50	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 06:50	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 06:50	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 06:50	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:50*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:50*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:50*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*05/20/21 09:54*	*05/21/21 06:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1221	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1232	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1242	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1248	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1254	**2.4**		0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1260	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor-1262	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Aroclor 1268	0.16	U	0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2
Polychlorinated biphenyls, Total	**2.4**		0.16	0.022	mg/Kg	☼	05/19/21 17:04	05/20/21 18:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*37 - 150*	*05/19/21 17:04*	*05/20/21 18:57*	*2*
DCB Decachlorobiphenyl	*53*		*37 - 150*	*05/19/21 17:04*	*05/20/21 18:57*	*2*
Tetrachloro-m-xylene	*45*	*	*54 - 150*	*05/19/21 17:04*	*05/20/21 18:57*	*2*
Tetrachloro-m-xylene	*48*	*	*54 - 150*	*05/19/21 17:04*	*05/20/21 18:57*	*2*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.040	U	0.040	0.0086	mg/Kg	☼	05/19/21 23:50	05/21/21 10:35	1
2,4-D	0.040	U	0.040	0.015	mg/Kg	☼	05/19/21 23:50	05/21/21 10:35	1
Silvex (2,4,5-TP)	0.040	U	0.040	0.0042	mg/Kg	☼	05/19/21 23:50	05/21/21 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:35*	*1*

Client Sample ID: WC-30 (0-5)
Lab Sample ID: 460-234565-15

Date Collected: 05/17/21 13:30
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 82.6

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:35*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 09:20	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:20*	*1*
2,4-Dichlorophenylacetic acid	*53*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:20*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**620**		2.4	2.4	mg/Kg	☼	05/19/21 10:22	05/20/21 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:50*	*1*
1-Chlorooctadecane	*128*		*40 - 140*	*05/19/21 10:22*	*05/20/21 11:50*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:47	5
Barium	**0.48**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:47	5
Cadmium	**0.0056**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:47	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:47	5
Lead	**0.085**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:47	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:47	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:47	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4870**		23.5	3.1	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Antimony	**0.50**	**J**	1.2	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Arsenic	**12.3**		1.2	0.12	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Barium	**55.3**		2.4	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Beryllium	**0.28**	**J**	0.47	0.067	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Cadmium	**0.41**	**J**	1.2	0.13	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Calcium	**24500**		118	20.0	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Chromium	**13.4**		2.4	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Cobalt	**4.4**		2.4	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Copper	**44.2**		2.4	0.26	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Iron	**13600**		70.6	23.8	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Lead	**70.1**		0.71	0.24	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Magnesium	**3940**		118	12.0	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Manganese	**284**		4.7	0.47	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Nickel	**13.2**		2.4	0.23	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Potassium	**747**		118	13.2	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Selenium	**0.24**	**J**	1.5	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Silver	**0.14**	**J**	1.2	0.10	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Sodium	**826**		118	18.3	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-30 (0-5)

Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15

Matrix: Solid
Percent Solids: 82.6

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	1.4		0.47	0.048	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Vanadium	29.4		2.4	0.24	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1
Zinc	64.7		9.4	2.7	mg/Kg	☼	05/20/21 21:25	05/21/21 14:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.019	0.0045	mg/Kg	☼	05/20/21 03:21	05/20/21 07:36	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.4	HF			SU			05/21/21 13:39	1
Corrosivity	9.4	HF			SU			05/21/21 13:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.52		0.48	0.16	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.28	U	0.28	0.15	mg/Kg	☼	05/21/21 08:01	05/21/21 11:52	1
Oil & Grease	1460		723	241	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	12.9		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	17.4		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	82.6		1.0	1.0	%			05/19/21 08:33	1
Total Solids	93.9	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	4.6		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.5				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	7.6		5.6	1.6	mg/L			05/26/21 16:43	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	14.1		10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	105		10.0	10.0	mg/L			05/20/21 14:44	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-18_WC-19 (5-10)
Date Collected: 05/17/21 12:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-16
Matrix: Solid
Percent Solids: 93.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4-Dimethylphenol	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Methylnaphthalene	**0.029**	**J**	0.35	0.0099	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
2-Nitrophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.14	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Acenaphthene	**0.023**	**J**	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Acenaphthylene	**0.030**	**J**	0.35	0.0036	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Anthracene	**0.095**	**J**	0.35	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzo[a]anthracene	**0.30**		0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzo[a]pyrene	**0.33**		0.035	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzo[b]fluoranthene	**0.48**		0.035	0.0092	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzo[g,h,i]perylene	**0.15**	**J**	0.35	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Benzo[k]fluoranthene	**0.16**		0.035	0.0070	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Bis(2-ethylhexyl) phthalate	**0.11**	**J**	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Caprolactam	0.35	U *	0.35	0.055	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Carbazole	**0.026**	**J**	0.35	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Chrysene	**0.31**	**J**	0.35	0.0060	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Dibenz(a,h)anthracene	**0.043**		0.035	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Dibenzofuran	**0.026**	**J**	0.35	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1

Client Sample ID: WC-18_WC-19 (5-10)
Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 93.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.35	U	0.35	0.081	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Di-n-butyl phthalate	**0.013**	**J**	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Fluoranthene	**0.56**		0.35	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Fluorene	**0.029**	**J**	0.35	0.0048	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Indeno[1,2,3-cd]pyrene	**0.17**		0.035	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Naphthalene	**0.036**	**J**	0.35	0.0061	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Phenanthrene	**0.30**	**J**	0.35	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1
Pyrene	**0.49**		0.35	0.0088	mg/Kg	☼	05/19/21 10:40	05/20/21 04:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.48*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 04:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*10 - 123*	*05/19/21 10:40*	*05/20/21 04:58*	*1*
2-Fluorobiphenyl	*49*		*14 - 103*	*05/19/21 10:40*	*05/20/21 04:58*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 105*	*05/19/21 10:40*	*05/20/21 04:58*	*1*
Nitrobenzene-d5 (Surr)	*49*		*11 - 104*	*05/19/21 10:40*	*05/20/21 04:58*	*1*
Phenol-d5 (Surr)	*51*		*15 - 100*	*05/19/21 10:40*	*05/20/21 04:58*	*1*
Terphenyl-d14 (Surr)	*56*		*12 - 126*	*05/19/21 10:40*	*05/20/21 04:58*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 22:05	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 22:05	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 22:05	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 22:05	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 22:05	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 22:05	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 22:05	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 22:05	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 22:05	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 22:05	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 22:05	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*33 - 150*	*05/20/21 10:30*	*05/20/21 22:05*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*05/20/21 10:30*	*05/20/21 22:05*	*1*
2-Fluorophenol (Surr)	*48*		*18 - 72*	*05/20/21 10:30*	*05/20/21 22:05*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-18_WC-19 (5-10)
Date Collected: 05/17/21 12:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-16
Matrix: Solid
Percent Solids: 93.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*110*		*46 - 137*	*05/20/21 10:30*	*05/20/21 22:05*	*1*
Phenol-d5 (Surr)	*35*		*10 - 50*	*05/20/21 10:30*	*05/20/21 22:05*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 150*	*05/20/21 10:30*	*05/20/21 22:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00067	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/19/21 17:09	05/20/21 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:58*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/19/21 17:09*	*05/20/21 11:58*	*1*
Tetrachloro-m-xylene	*64*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:58*	*1*
Tetrachloro-m-xylene	*65*		*10 - 133*	*05/19/21 17:09*	*05/20/21 11:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 07:03	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:03	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 07:03	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 07:03	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 07:03	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:03	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*86*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:03*	*1*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:03*	*1*
Tetrachloro-m-xylene	*62*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:03*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:03*	*1*

Client Sample ID: WC-18_WC-19 (5-10)
Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 93.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1260	**0.12**		0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1
Polychlorinated biphenyls, Total	**0.12**		0.072	0.0099	mg/Kg	☼	05/19/21 17:04	05/20/21 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:54*	*1*
DCB Decachlorobiphenyl	*82*		*37 - 150*	*05/19/21 17:04*	*05/20/21 15:54*	*1*
Tetrachloro-m-xylene	*72*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:54*	*1*
Tetrachloro-m-xylene	*81*		*54 - 150*	*05/19/21 17:04*	*05/20/21 15:54*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	05/19/21 23:50	05/21/21 10:50	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/19/21 23:50	05/21/21 10:50	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	05/19/21 23:50	05/21/21 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:50*	*1*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*	*05/19/21 23:50*	*05/21/21 10:50*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 09:34	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*49*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:34*	*1*
2,4-Dichlorophenylacetic acid	*55*		*28 - 150*	*05/20/21 23:54*	*05/21/21 09:34*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**250**		2.1	2.1	mg/Kg	☼	05/19/21 10:22	05/20/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*40 - 140*	*05/19/21 10:22*	*05/20/21 12:05*	*1*
1-Chlorooctadecane	*129*		*40 - 140*	*05/19/21 10:22*	*05/20/21 12:05*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:51	5
Barium	**0.53**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:51	5
Cadmium	**0.0028**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:51	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:51	5
Lead	**0.24**		0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:51	5

Client Sample ID: WC-18_WC-19 (5-10)
Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:51	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:51	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5540**		19.0	2.5	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Antimony	**0.58**	**J**	0.95	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Arsenic	**7.8**		0.95	0.095	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Barium	**54.7**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Beryllium	**0.27**	**J**	0.38	0.054	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Cadmium	**0.23**	**J**	0.95	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Calcium	**5770**		95.0	16.1	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Chromium	**26.3**		1.9	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Cobalt	**6.7**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Copper	**58.7**		1.9	0.21	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Iron	**24000**		57.0	19.2	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Lead	**119**		0.57	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Magnesium	**3140**		95.0	9.7	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Manganese	**265**		3.8	0.38	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Nickel	**48.0**		1.9	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Potassium	**1360**		95.0	10.6	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Selenium	**0.51**	**J**	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Silver	**0.095**	**J**	0.95	0.085	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Sodium	**187**		95.0	14.8	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Thallium	**0.12**	**J**	0.38	0.039	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Vanadium	**28.3**		1.9	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1
Zinc	**70.8**		7.6	2.2	mg/Kg	☼	05/20/21 21:25	05/21/21 14:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.017	0.0041	mg/Kg	☼	05/20/21 03:21	05/20/21 07:37	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**	**HF**			SU			05/21/21 13:41	1
Corrosivity	**9.3**	**HF**			SU			05/21/21 13:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.61**		0.45	0.15	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	**0.44**		0.26	0.14	mg/Kg	☼	05/21/21 08:01	05/21/21 11:53	1
Oil & Grease	**534**	**J**	628	209	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**28.7**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1

Client Sample ID: WC-18_WC-19 (5-10)
Lab Sample ID: 460-234565-16
Date Collected: 05/17/21 12:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.8		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	93.2		1.0	1.0	%			05/19/21 08:33	1
Total Solids	93.7	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	2.1		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.1	J	5.2	1.5	mg/L			05/26/21 16:43	1
Ammonia	0.068	J	0.10	0.050	mg/L			05/23/21 22:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	37.0		10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	110		10.0	10.0	mg/L			05/20/21 14:59	1

Client Sample ID: WC-18_WC-19 (10-18)
Lab Sample ID: 460-234565-17
Date Collected: 05/17/21 12:55
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	J	0.38	0.0050	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Methylnaphthalene	0.24	J	0.38	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1

Client Sample ID: WC-18_WC-19 (10-18)
Date Collected: 05/17/21 12:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-17
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Acenaphthene	**0.57**		0.38	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Acenaphthylene	**0.027**	**J**	0.38	0.0038	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Anthracene	**2.3**		0.38	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzo[a]anthracene	**3.9**		0.038	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzo[a]pyrene	**3.1**		0.038	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzo[b]fluoranthene	**3.7**		0.038	0.0098	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzo[g,h,i]perylene	**1.6**		0.38	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Benzo[k]fluoranthene	**1.7**		0.038	0.0075	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Carbazole	**0.95**		0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Chrysene	**3.7**		0.38	0.0064	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Dibenz(a,h)anthracene	**0.50**		0.038	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Dibenzofuran	**0.88**		0.38	0.0053	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Fluoranthene	**8.9**		0.38	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Fluorene	**0.42**		0.38	0.0052	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Indeno[1,2,3-cd]pyrene	**1.7**		0.038	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Naphthalene	**0.43**		0.38	0.0066	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1
Pyrene	**8.0**		0.38	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 01:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.50*	*A J*	*mg/Kg*	☼	*2.82*		*05/19/21 10:40*	*05/20/21 01:28*	*1*
9H-Fluoren-9-one	*1.0*	*J N*	*mg/Kg*	☼	*8.46*	*486-25-9*	*05/19/21 10:40*	*05/20/21 01:28*	*1*
Dibenzothiophene	*0.88*	*J N*	*mg/Kg*	☼	*8.54*	*132-65-0*	*05/19/21 10:40*	*05/20/21 01:28*	*1*

Client Sample ID: WC-18_WC-19 (10-18)
Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55
Matrix: Solid

Date Received: 05/17/21 16:55
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.51	J	mg/Kg	☼	8.96		05/19/21 10:40	05/20/21 01:28	1
Phenanthrene, 1-methyl-	2.0	J N	mg/Kg	☼	9.12	832-69-9	05/19/21 10:40	05/20/21 01:28	1
Anthracene, 2-methyl-	2.3	J N	mg/Kg	☼	9.15	613-12-7	05/19/21 10:40	05/20/21 01:28	1
Anthracene, 1-methyl-	0.68	J N	mg/Kg	☼	9.19	610-48-0	05/19/21 10:40	05/20/21 01:28	1
1H-Cyclopropa[l]phenanthrene,1a,9b -dihydro-	2.4	J N	mg/Kg	☼	9.22	949-41-7	05/19/21 10:40	05/20/21 01:28	1
Phenanthrene, 2-methyl-	1.3	J N	mg/Kg	☼	9.24	2531-84-2	05/19/21 10:40	05/20/21 01:28	1
Unknown	0.52	J	mg/Kg	☼	10.22		05/19/21 10:40	05/20/21 01:28	1
Pyrene, 1-methyl-	0.57	J N	mg/Kg	☼	10.31	2381-21-7	05/19/21 10:40	05/20/21 01:28	1
Fluoranthene, 2-methyl-	0.53	J N	mg/Kg	☼	10.43	33543-31-6	05/19/21 10:40	05/20/21 01:28	1
Benz[a]anthracene, 7-methyl-	0.57	J N	mg/Kg	☼	11.75	2541-69-7	05/19/21 10:40	05/20/21 01:28	1
Benzo[e]pyrene	2.3	J N	mg/Kg	☼	13.00	192-97-2	05/19/21 10:40	05/20/21 01:28	1
Perylene	0.83	J N	mg/Kg	☼	13.19	198-55-0	05/19/21 10:40	05/20/21 01:28	1
Unknown	0.53	J	mg/Kg	☼	13.38		05/19/21 10:40	05/20/21 01:28	1
Unknown	0.60	J	mg/Kg	☼	14.40		05/19/21 10:40	05/20/21 01:28	1
Unknown	0.87	J	mg/Kg	☼	14.55		05/19/21 10:40	05/20/21 01:28	1
Benzo[b]triphenylene	0.52	J N	mg/Kg	☼	14.95	215-58-7	05/19/21 10:40	05/20/21 01:28	1
3,4:8,9-Dibenzopyrene	0.80	J N	mg/Kg	☼	17.37	189-64-0	05/19/21 10:40	05/20/21 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		10 - 123	05/19/21 10:40	05/20/21 01:28	1
2-Fluorobiphenyl	53		14 - 103	05/19/21 10:40	05/20/21 01:28	1
2-Fluorophenol (Surr)	56		10 - 105	05/19/21 10:40	05/20/21 01:28	1
Nitrobenzene-d5 (Surr)	54		11 - 104	05/19/21 10:40	05/20/21 01:28	1
Phenol-d5 (Surr)	57		15 - 100	05/19/21 10:40	05/20/21 01:28	1
Terphenyl-d14 (Surr)	62		12 - 126	05/19/21 10:40	05/20/21 01:28	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	12		0.76	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 08:06	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		10 - 123	05/19/21 10:40	05/20/21 08:06	2
2-Fluorobiphenyl	58		14 - 103	05/19/21 10:40	05/20/21 08:06	2
2-Fluorophenol (Surr)	60		10 - 105	05/19/21 10:40	05/20/21 08:06	2
Nitrobenzene-d5 (Surr)	55		11 - 104	05/19/21 10:40	05/20/21 08:06	2
Phenol-d5 (Surr)	62		15 - 100	05/19/21 10:40	05/20/21 08:06	2
Terphenyl-d14 (Surr)	64		12 - 126	05/19/21 10:40	05/20/21 08:06	2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 22:28	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 22:28	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 22:28	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 22:28	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 22:28	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 22:28	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 22:28	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 22:28	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 22:28	1

Client Sample ID: WC-18_WC-19 (10-18)
Date Collected: 05/17/21 12:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-17
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 22:28	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 22:28	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*33 - 150*	*05/20/21 10:30*	*05/20/21 22:28*	*1*
2-Fluorobiphenyl	*82*		*42 - 127*	*05/20/21 10:30*	*05/20/21 22:28*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*05/20/21 10:30*	*05/20/21 22:28*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 137*	*05/20/21 10:30*	*05/20/21 22:28*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/20/21 10:30*	*05/20/21 22:28*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 150*	*05/20/21 10:30*	*05/20/21 22:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	05/19/21 17:09	05/20/21 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*261*	*	*10 - 150*	*05/19/21 17:09*	*05/20/21 12:13*	*1*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*05/19/21 17:09*	*05/20/21 12:13*	*1*
Tetrachloro-m-xylene	*77*		*10 - 133*	*05/19/21 17:09*	*05/20/21 12:13*	*1*
Tetrachloro-m-xylene	*78*		*10 - 133*	*05/19/21 17:09*	*05/20/21 12:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 07:15	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:15	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 07:15	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 07:15	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 07:15	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:15	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 07:15	1

Client Sample ID: WC-18_WC-19 (10-18)
Date Collected: 05/17/21 12:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-17
Matrix: Solid
Percent Solids: 87.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 150	05/20/21 09:54	05/21/21 07:15	1
DCB Decachlorobiphenyl	52		10 - 150	05/20/21 09:54	05/21/21 07:15	1
Tetrachloro-m-xylene	76		10 - 150	05/20/21 09:54	05/21/21 07:15	1
Tetrachloro-m-xylene	79		10 - 150	05/20/21 09:54	05/21/21 07:15	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1260	0.077	U	0.077	0.011	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.011	mg/Kg	☼	05/19/21 17:04	05/20/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		37 - 150	05/19/21 17:04	05/20/21 16:11	1
DCB Decachlorobiphenyl	136		37 - 150	05/19/21 17:04	05/20/21 16:11	1
Tetrachloro-m-xylene	91		54 - 150	05/19/21 17:04	05/20/21 16:11	1
Tetrachloro-m-xylene	102		54 - 150	05/19/21 17:04	05/20/21 16:11	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	05/19/21 23:50	05/21/21 11:04	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/19/21 23:50	05/21/21 11:04	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	05/19/21 23:50	05/21/21 11:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		65 - 150	05/19/21 23:50	05/21/21 11:04	1
2,4-Dichlorophenylacetic acid	87		65 - 150	05/19/21 23:50	05/21/21 11:04	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 09:48	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	48		28 - 150	05/20/21 23:54	05/21/21 09:48	1
2,4-Dichlorophenylacetic acid	51		28 - 150	05/20/21 23:54	05/21/21 09:48	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**91**		2.3	2.3	mg/Kg	☼	05/19/21 10:22	05/20/21 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		40 - 140	05/19/21 10:22	05/20/21 12:19	1
1-Chlorooctadecane	135		40 - 140	05/19/21 10:22	05/20/21 12:19	1

Client Sample ID: WC-18_WC-19 (10-18)
Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 87.0

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:55	5
Barium	**0.46**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:55	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:55	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:55	5
Lead	**0.015**	**J**	0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:55	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:55	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:55	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4770**		19.5	2.5	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Antimony	0.97	U	0.97	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Arsenic	**5.1**		0.97	0.097	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Barium	**30.4**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Beryllium	**0.28**	**J**	0.39	0.056	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Cadmium	0.97	U	0.97	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Calcium	**1360**		97.4	16.6	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Chromium	**13.3**		1.9	0.17	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Cobalt	**4.5**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Copper	**10.5**		1.9	0.21	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Iron	**19600**		58.5	19.7	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Lead	**7.9**		0.58	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Magnesium	**1820**		97.4	9.9	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Manganese	**273**		3.9	0.39	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Nickel	**9.2**		1.9	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Potassium	**653**		97.4	10.9	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Selenium	1.2	U	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Silver	0.97	U	0.97	0.087	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Sodium	**142**		97.4	15.2	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Thallium	**0.068**	**J**	0.39	0.040	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Vanadium	**16.9**		1.9	0.20	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1
Zinc	**22.4**		7.8	2.2	mg/Kg	☼	05/20/21 21:25	05/21/21 14:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.017	0.0041	mg/Kg	☼	05/20/21 03:21	05/20/21 07:39	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.2**	**HF**			SU			05/21/21 13:43	1
Corrosivity	**9.2**	**HF**			SU			05/21/21 13:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.47**	**J**	0.49	0.16	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	**0.19**	**J**	0.28	0.15	mg/Kg	☼	05/21/21 08:01	05/21/21 12:02	1
Oil & Grease	**687**		682	227	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Client Sample ID: WC-18_WC-19 (10-18)
Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 87.0

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	**12.8**		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:36	1
Percent Moisture	**13.0**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**87.0**		1.0	1.0	%			05/19/21 08:33	1
Total Solids	**88.6**	**B**	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	**1.6**		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			05/20/21 09:55	1
Temperature	**24.0**				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.9**	**J**	5.3	1.5	mg/L			05/26/21 16:43	1
Ammonia	**0.18**		0.10	0.050	mg/L			05/23/21 22:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**10.9**		10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	**97.0**		10.0	10.0	mg/L			05/20/21 14:59	1

Client Sample ID: WC-27 (0-5)
Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 97.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.0045	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.0062	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4-Dimethylphenol	0.34	U	0.34	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Chloronaphthalene	0.34	U	0.34	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Methylnaphthalene	**0.047**	**J**	0.34	0.0095	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Nitroaniline	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-27 (0-5)
Date Collected: 05/17/21 13:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-18
Matrix: Solid
Percent Solids: 97.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.14	U	0.14	0.051	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
3-Nitroaniline	0.34	U	0.34	0.038	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Chloroaniline	0.34	U	0.34	0.060	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Nitroaniline	0.34	U	0.34	0.039	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
4-Nitrophenol	0.69	U	0.69	0.055	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Acenaphthene	**0.010**	**J**	0.34	0.0097	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Acenaphthylene	**0.015**	**J**	0.34	0.0034	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Anthracene	**0.025**	**J**	0.34	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzo[a]anthracene	**0.091**		0.034	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzo[a]pyrene	**0.098**		0.034	0.0091	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzo[b]fluoranthene	**0.15**		0.034	0.0088	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzo[g,h,i]perylene	**0.069**	**J**	0.34	0.010	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Benzo[k]fluoranthene	**0.062**		0.034	0.0067	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.026	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Caprolactam	0.34	U *	0.34	0.053	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Chrysene	**0.086**	**J**	0.34	0.0057	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Dibenz(a,h)anthracene	**0.019**	**J**	0.034	0.015	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Dibenzofuran	**0.017**	**J**	0.34	0.0048	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Diethyl phthalate	0.34	U	0.34	0.0049	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Dimethyl phthalate	0.34	U	0.34	0.077	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Fluoranthene	**0.13**	**J**	0.34	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Fluorene	**0.020**	**J**	0.34	0.0046	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Hexachlorobutadiene	0.069	U	0.069	0.0072	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Indeno[1,2,3-cd]pyrene	**0.073**		0.034	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Isophorone	0.14	U	0.14	0.098	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Naphthalene	**0.030**	**J**	0.34	0.0059	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Nitrobenzene	0.034	U	0.034	0.0082	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Phenanthrene	**0.097**	**J**	0.34	0.0060	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1

Client Sample ID: WC-27 (0-5)
Date Collected: 05/17/21 13:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-18
Matrix: Solid
Percent Solids: 97.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**0.14**	**J**	0.34	0.0085	mg/Kg	☼	05/19/21 10:40	05/20/21 01:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.48*	*A J*	*mg/Kg*	☼	*2.81*		*05/19/21 10:40*	*05/20/21 01:51*	*1*
Coronene	*0.38*	*J N*	*mg/Kg*	☼	*11.49*	*191-07-1*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
Unknown	*0.63*	*J*	*mg/Kg*	☼	*12.18*		*05/19/21 10:40*	*05/20/21 01:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 123*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
2-Fluorobiphenyl	*65*		*14 - 103*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
2-Fluorophenol (Surr)	*64*		*10 - 105*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
Phenol-d5 (Surr)	*66*		*15 - 100*	*05/19/21 10:40*	*05/20/21 01:51*	*1*
Terphenyl-d14 (Surr)	*74*		*12 - 126*	*05/19/21 10:40*	*05/20/21 01:51*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 22:52	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 22:52	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 22:52	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 22:52	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 22:52	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 22:52	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 22:52	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 22:52	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 22:52	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 22:52	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 22:52	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*109*		*33 - 150*	*05/20/21 10:30*	*05/20/21 22:52*	*1*
2-Fluorobiphenyl	*95*		*42 - 127*	*05/20/21 10:30*	*05/20/21 22:52*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/20/21 10:30*	*05/20/21 22:52*	*1*
Nitrobenzene-d5 (Surr)	*115*		*46 - 137*	*05/20/21 10:30*	*05/20/21 22:52*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/20/21 10:30*	*05/20/21 22:52*	*1*
Terphenyl-d14 (Surr)	*106*		*39 - 150*	*05/20/21 10:30*	*05/20/21 22:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
4,4'-DDE	0.0069	U	0.0069	0.00081	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Dieldrin	0.0021	U	0.0021	0.00089	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1

Client Sample ID: WC-27 (0-5)
Lab Sample ID: 460-234565-18
Date Collected: 05/17/21 13:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 97.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	05/19/21 17:09	05/20/21 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*169*	*	*10 - 150*	*05/19/21 17:09*	*05/20/21 12:28*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*05/19/21 17:09*	*05/20/21 12:28*	*1*
Tetrachloro-m-xylene	*84*		*10 - 133*	*05/19/21 17:09*	*05/20/21 12:28*	*1*
Tetrachloro-m-xylene	*74*		*10 - 133*	*05/19/21 17:09*	*05/20/21 12:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 07:27	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:27	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 07:27	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 07:27	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 07:27	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 07:27	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:27*	*1*
DCB Decachlorobiphenyl	*91*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:27*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:27*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*05/20/21 09:54*	*05/21/21 07:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.14	U	0.14	0.018	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1221	0.14	U	0.14	0.018	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1232	0.14	U	0.14	0.018	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1242	0.14	U	0.14	0.018	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1248	0.14	U	0.14	0.018	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1254	**1.5**		0.14	0.019	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1260	0.14	U	0.14	0.019	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor-1262	0.14	U	0.14	0.019	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Aroclor 1268	0.14	U	0.14	0.019	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2
Polychlorinated biphenyls, Total	**1.5**		0.14	0.019	mg/Kg	☼	05/19/21 17:04	05/20/21 19:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*37 - 150*	*05/19/21 17:04*	*05/20/21 19:13*	*2*
DCB Decachlorobiphenyl	*102*		*37 - 150*	*05/19/21 17:04*	*05/20/21 19:13*	*2*
Tetrachloro-m-xylene	*82*		*54 - 150*	*05/19/21 17:04*	*05/20/21 19:13*	*2*
Tetrachloro-m-xylene	*89*		*54 - 150*	*05/19/21 17:04*	*05/20/21 19:13*	*2*

Client Sample ID: WC-27 (0-5)
Date Collected: 05/17/21 13:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-18
Matrix: Solid
Percent Solids: 97.3

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.034	U	0.034	0.0073	mg/Kg	☼	05/19/21 23:50	05/21/21 11:19	1
2,4-D	0.034	U	0.034	0.012	mg/Kg	☼	05/19/21 23:50	05/21/21 11:19	1
Silvex (2,4,5-TP)	0.034	U	0.034	0.0036	mg/Kg	☼	05/19/21 23:50	05/21/21 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/19/21 23:50*	*05/21/21 11:19*	*1*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*05/19/21 23:50*	*05/21/21 11:19*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 10:01	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/20/21 23:54*	*05/21/21 10:01*	*1*
2,4-Dichlorophenylacetic acid	*65*		*28 - 150*	*05/20/21 23:54*	*05/21/21 10:01*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**170**		2.0	2.0	mg/Kg	☼	05/19/21 10:22	05/20/21 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*40 - 140*	*05/19/21 10:22*	*05/20/21 12:35*	*1*
1-Chlorooctadecane	*115*		*40 - 140*	*05/19/21 10:22*	*05/20/21 12:35*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 13:59	5
Barium	**0.48**	**J**	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 13:59	5
Cadmium	**0.0023**	**J**	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 13:59	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 13:59	5
Lead	**0.044**	**J**	0.050	0.012	mg/L		05/20/21 17:15	05/21/21 13:59	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 13:59	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 13:59	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4270**		18.7	2.4	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Antimony	**0.62**	**J**	0.93	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Arsenic	**8.0**		0.93	0.093	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Barium	**41.7**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Beryllium	**0.49**		0.37	0.053	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Cadmium	**0.32**	**J**	0.93	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Calcium	**9330**		93.4	15.9	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Chromium	**12.2**		1.9	0.16	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Cobalt	**4.1**		1.9	0.14	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Copper	**40.1**		1.9	0.21	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Iron	**18000**		56.0	18.9	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Lead	**81.9**		0.56	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Magnesium	**4530**		93.4	9.5	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Manganese	**241**		3.7	0.38	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1

Client Sample ID: WC-27 (0-5)
Date Collected: 05/17/21 13:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-18
Matrix: Solid
Percent Solids: 97.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	10.0		1.9	0.18	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Potassium	923		93.4	10.5	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Selenium	0.56	J	1.2	0.11	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Silver	0.083	J	0.93	0.083	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Sodium	609		93.4	14.6	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Thallium	0.098	J	0.37	0.038	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Vanadium	19.1		1.9	0.19	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1
Zinc	60.0		7.5	2.1	mg/Kg	☼	05/20/21 21:25	05/21/21 14:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.016	0.0039	mg/Kg	☼	05/20/21 03:21	05/20/21 07:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9	HF			SU			05/21/21 13:45	1
Corrosivity	8.9	HF			SU			05/21/21 13:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg	☼	05/25/21 16:45	05/25/21 22:36	1
Cyanide, Total	0.22	J	0.24	0.13	mg/Kg	☼	05/21/21 08:01	05/21/21 12:03	1
Oil & Grease	248	J	608	203	mg/Kg	☼	05/23/21 10:15	05/24/21 13:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 12:58	1
Cr (III)	12.3		2.0	2.0	mg/Kg			05/27/21 07:05	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/20/21 10:37	1
Percent Moisture	2.7		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	97.3		1.0	1.0	%			05/19/21 08:33	1
Total Solids	98.1	B	0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	1.2		0.10	0.10	%			05/19/21 08:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.4				S.U.			05/20/21 09:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			05/20/21 09:55	1
Temperature	24.0				Degrees C			05/20/21 09:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	3.2	J	5.2	1.5	mg/L			05/26/21 16:43	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:55	1

Client Sample ID: WC-27 (0-5)
Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 97.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1
Total Solids	**81.0**		10.0	10.0	mg/L			05/20/21 14:59	1

Client Sample ID: WC-27A (0-2)
Lab Sample ID: 460-234565-19

Date Collected: 05/17/21 13:45
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00033	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U *	0.0016	0.00047	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00032	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00072	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00046	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00066	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
2-Butanone (MEK)	0.0078	U *	0.0078	0.00058	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
2-Hexanone	0.0078	U	0.0078	0.0027	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
4-Methyl-2-pentanone (MIBK)	0.0078	U	0.0078	0.0024	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Acetone	0.0094	U	0.0094	0.0089	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Benzene	0.0016	U	0.0016	0.00040	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Bromoform	0.0016	U	0.0016	0.00066	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Bromomethane	0.0031	U	0.0031	0.0016	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Carbon disulfide	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Carbon tetrachloride	0.0016	U	0.0016	0.00061	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chlorobromomethane	0.0016	U	0.0016	0.00044	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chlorodibromomethane	0.0016	U	0.0016	0.00030	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chloroethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chloroform	0.0016	U	0.0016	0.0015	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Chloromethane	0.0016	U	0.0016	0.00068	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00056	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Cyclohexane	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Dichlorobromomethane	0.0016	U	0.0016	0.00040	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00053	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Ethylbenzene	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Ethylene Dibromide	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Isopropylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Methyl acetate	0.0078	U	0.0078	0.0067	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00080	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Methylcyclohexane	0.0016	U	0.0016	0.00078	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Methylene Chloride	**0.0089**		0.0031	0.0018	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00027	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1

Client Sample ID: WC-27A (0-2)
Lab Sample ID: 460-234565-19

Date Collected: 05/17/21 13:45
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0016	U	0.0016	0.00030	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Styrene	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Tetrachloroethene	0.0016	U	0.0016	0.00048	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Toluene	0.0016	U	0.0016	0.00037	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00038	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Trichloroethene	0.0016	U	0.0016	0.00050	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00064	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1
Vinyl chloride	0.0016	U	0.0016	0.00085	mg/Kg	☼	05/18/21 21:38	05/20/21 14:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/18/21 21:38*	*05/20/21 14:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*05/18/21 21:38*	*05/20/21 14:28*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*	*05/18/21 21:38*	*05/20/21 14:28*	*1*
Dibromofluoromethane (Surr)	*121*		*48 - 150*	*05/18/21 21:38*	*05/20/21 14:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/18/21 21:38*	*05/20/21 14:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 18:43	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 18:43	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 18:43	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 18:43	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 18:43	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/20/21 18:43	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 18:43	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 18:43	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 18:43	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 18:43	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 18:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/20/21 18:43*	*10*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/20/21 18:43*	*10*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/20/21 18:43*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/20/21 18:43*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		1.0	1.0	%			05/19/21 08:33	1
Percent Solids	**94.3**		1.0	1.0	%			05/19/21 08:33	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-234565-7	WC-15C (0-2)	114	109	126	98
460-234565-8	WC-15B (8-10)	114	120	137	112
460-234565-9	WC-16A (0-2)	111	106	126	98
460-234565-10	WC-17D (5-7)	113	104	125	98
460-234565-11	WC-17A (0-2)	117	106	126	100
460-234565-12	WC-19B (6-8)	109	104	120	99
460-234565-13	WC-18A (10-12)	126	119	140	109
460-234565-14	WC-30B (3-5)	112	107	127	101
460-234565-19	WC-27A (0-2)	111	105	121	98
LB3 460-778764/1-A	Method Blank	112	115	130	106
LCS 460-779070/4	Lab Control Sample	104	109	122	101
LCSD 460-779070/5	Lab Control Sample Dup	103	109	117	98
MB 460-779070/8	Method Blank	101	103	119	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-779127/4	Lab Control Sample	119	114	109	105
LCS 460-779132/4	Lab Control Sample	102	104	104	101
LCSD 460-779127/5	Lab Control Sample Dup	119	114	116	107
LCSD 460-779132/5	Lab Control Sample Dup	96	111	105	101
MB 460-779127/9	Method Blank	117	108	118	108
MB 460-779132/9	Method Blank	100	101	105	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-234565-7	WC-15C (0-2)	99	105	105	104
460-234565-8	WC-15B (8-10)	101	99	103	102
460-234565-9	WC-16A (0-2)	100	110	106	102
460-234565-10	WC-17D (5-7)	100	105	106	99
460-234565-11	WC-17A (0-2)	102	107	105	100
460-234565-12	WC-19B (6-8)	99	104	105	100

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-234565-13	WC-18A (10-12)	101	99	105	102
460-234565-14	WC-30B (3-5)	100	99	105	103
460-234565-19	WC-27A (0-2)	101	105	106	103
LB 460-778839/1-A	Method Blank	115	97	109	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-234432-K-3-A MS	Matrix Spike	106	86	42	105	31	85
LCS 460-779185/2-A	Lab Control Sample	117	98	53	115	38	110
LCSD 460-779185/3-A	Lab Control Sample Dup	118	99	53	116	39	104
MB 460-779185/1-A	Method Blank	96	82	42	102	29	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-234565-1	WC-14 (0-5)	62	64	67	64	68	70
460-234565-1 MS	WC-14 (0-5)	57	58	63	59	65	62
460-234565-1 MSD	WC-14 (0-5)	52	48	48	47	52	53
460-234565-2	WC-15 (0-5)	58	63	67	64	66	66
460-234565-3	WC-16 (0-5)	54	58	63	60	63	66
460-234565-4	WC-14_WC-15 (5-10)	59	64	67	64	67	77
460-234565-5	WC-17 (0-5)	56	62	65	63	65	73
460-234565-6	WC-16_WC-17 (5-10)	37	41	43	42	44	48
460-234565-15	WC-30 (0-5)	53	54	58	53	58	58
460-234565-16	WC-18_WC-19 (5-10)	47	49	51	49	51	56
460-234565-17	WC-18_WC-19 (10-18)	53	53	56	54	57	62
460-234565-17 - DL	WC-18_WC-19 (10-18)	56	58	60	55	62	64
460-234565-18	WC-27 (0-5)	69	65	64	63	66	74
LCS 460-778896/2-A	Lab Control Sample	88	84	90	86	91	101
LCSD 460-778896/3-A	Lab Control Sample Dup	88	82	87	84	89	99
MB 460-778896/1-A	Method Blank	82	85	88	89	89	98

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-234565-1	WC-14 (0-5)	96	87	45	103	32	96
460-234565-2	WC-15 (0-5)	98	85	46	103	33	92
460-234565-3	WC-16 (0-5)	96	79	42	97	31	87
460-234565-4	WC-14_WC-15 (5-10)	108	90	46	107	33	93
460-234565-5	WC-17 (0-5)	102	88	56	107	43	99
460-234565-6	WC-16_WC-17 (5-10)	106	88	53	103	42	96
460-234565-15	WC-30 (0-5)	100	84	45	101	36	86
460-234565-16	WC-18_WC-19 (5-10)	99	92	48	110	35	102
460-234565-17	WC-18_WC-19 (10-18)	94	82	43	98	30	91
460-234565-18	WC-27 (0-5)	109	95	50	115	34	106
LB 460-779033/1-C	Method Blank	103	90	49	107	33	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
460-234565-1	WC-14 (0-5)	93	113	70	75
460-234565-1 MS	WC-14 (0-5)	100	98	75	75
460-234565-1 MSD	WC-14 (0-5)	86	95	60	61
460-234565-2	WC-15 (0-5)	59	49	47	50
460-234565-3	WC-16 (0-5)	81	78	61	64
460-234565-4	WC-14_WC-15 (5-10)	77	77	59	66
460-234565-5	WC-17 (0-5)	84	77	63	63
460-234565-6	WC-16_WC-17 (5-10)	81	78	62	66
460-234565-15	WC-30 (0-5)	43	34	35	34
460-234565-16	WC-18_WC-19 (5-10)	90	79	65	64
460-234565-17	WC-18_WC-19 (10-18)	107	261 *	78	77
460-234565-18	WC-27 (0-5)	96	169 *	74	84
LCS 460-779000/2-A	Lab Control Sample	99	104	91	99
LCSD 460-779000/3-A	Lab Control Sample Dup	96	102	90	102
MB 460-779000/1-A	Method Blank	110	110	93	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
LCS 460-779170/2-A	Lab Control Sample	92	88	86	81
LCSD 460-779170/3-A	Lab Control Sample Dup	94	91	91	85
MB 460-779170/1-A	Method Blank	98	95	86	86

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
460-234565-1	WC-14 (0-5)	57	56	50	48
460-234565-2	WC-15 (0-5)	71	69	49	47
460-234565-3	WC-16 (0-5)	108	102	31	29
460-234565-4	WC-14_WC-15 (5-10)	73	74	47	46
460-234565-5	WC-17 (0-5)	58	53	51	51
460-234565-6	WC-16_WC-17 (5-10)	66	64	43	43
460-234565-15	WC-30 (0-5)	79	76	69	67
460-234565-16	WC-18_WC-19 (5-10)	92	86	64	62
460-234565-17	WC-18_WC-19 (10-18)	52	51	79	76
460-234565-18	WC-27 (0-5)	91	89	67	65
LB 460-779033/1-B	Method Blank	84	67	37	42

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-234565-1	WC-14 (0-5)	90	94	94	87
460-234565-2	WC-15 (0-5)	60	60	69	63
460-234565-3	WC-16 (0-5)	82	80	84	76
460-234565-4	WC-14_WC-15 (5-10)	80	76	83	75
460-234565-5	WC-17 (0-5)	85	81	86	78
460-234565-6	WC-16_WC-17 (5-10)	78	75	80	72
460-234565-15	WC-30 (0-5)	53	51	48 *	45 *
460-234565-16	WC-18_WC-19 (5-10)	82	77	81	72
460-234565-17	WC-18_WC-19 (10-18)	136	104	102	91
460-234565-18	WC-27 (0-5)	102	97	89	82
LCS 460-778999/2-A	Lab Control Sample	82	80	85	77
LCSD 460-778999/3-A	Lab Control Sample Dup	86	83	87	79
MB 460-778999/1-A	Method Blank	101	100	97	87

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (65-150)	DCPAA2 (65-150)
460-234565-1	WC-14 (0-5)	82	129
460-234565-1 MS	WC-14 (0-5)	92	102
460-234565-1 MSD	WC-14 (0-5)	88	105
460-234565-2	WC-15 (0-5)	79	118
460-234565-3	WC-16 (0-5)	85	97
460-234565-4	WC-14_WC-15 (5-10)	83	90
460-234565-5	WC-17 (0-5)	87	93
460-234565-6	WC-16_WC-17 (5-10)	85	91
460-234565-15	WC-30 (0-5)	83	97
460-234565-16	WC-18_WC-19 (5-10)	78	89
460-234565-17	WC-18_WC-19 (10-18)	81	87
460-234565-18	WC-27 (0-5)	83	94
LCS 460-779056/2-A	Lab Control Sample	96	96
LCSD 460-779056/3-A	Lab Control Sample Dup	98	97
MB 460-779056/1-A	Method Blank	87	87

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
LCS 460-779322/2-A	Lab Control Sample	99	95
LCSD 460-779322/3-A	Lab Control Sample Dup	98	95
MB 460-779322/1-A	Method Blank	88	87

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
460-234565-1	WC-14 (0-5)	54	48
460-234565-2	WC-15 (0-5)	51	47
460-234565-3	WC-16 (0-5)	60	55
460-234565-4	WC-14_WC-15 (5-10)	57	52
460-234565-5	WC-17 (0-5)	52	47
460-234565-6	WC-16_WC-17 (5-10)	52	47
460-234565-15	WC-30 (0-5)	53	48
460-234565-16	WC-18_WC-19 (5-10)	55	49
460-234565-17	WC-18_WC-19 (10-18)	51	48
460-234565-18	WC-27 (0-5)	65	58

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)								
LB 460-779033/1-H	Method Blank	75	69								

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	1COD1 (40-140)								
460-234565-1	WC-14 (0-5)	118	141 *								
460-234565-2	WC-15 (0-5)	113	126								
460-234565-3	WC-16 (0-5)	108	137								
460-234565-4	WC-14_WC-15 (5-10)	95	119								
460-234565-5	WC-17 (0-5)	96	77								
460-234565-6	WC-16_WC-17 (5-10)	89	131								
460-234565-15	WC-30 (0-5)	78	128								
460-234565-16	WC-18_WC-19 (5-10)	80	129								
460-234565-17	WC-18_WC-19 (10-18)	97	135								
460-234565-18	WC-27 (0-5)	90	115								
LCS 460-778890/2-A	Lab Control Sample	111	178 *								
LCSD 460-778890/3-A	Lab Control Sample Dup	112	182 *								
MB 460-778890/1-A	Method Blank	118	136								

Surrogate Legend

OTPH = o-Terphenyl

1COD = 1-Chlorooctadecane

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

Lab Sample ID: LB3 460-778764/1-A
Matrix: Solid
Analysis Batch: 779070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778764

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/18/21 21:29	05/20/21 07:48	1

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

Lab Sample ID: LB3 460-778764/1-A
Matrix: Solid
Analysis Batch: 779070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778764

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/18/21 21:29	05/20/21 07:48	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/18/21 21:29	05/20/21 07:48	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/18/21 21:29*	*05/20/21 07:48*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*05/18/21 21:29*	*05/20/21 07:48*	*1*
4-Bromofluorobenzene	*115*		*70 - 139*	*05/18/21 21:29*	*05/20/21 07:48*	*1*
Dibromofluoromethane (Surr)	*130*		*48 - 150*	*05/18/21 21:29*	*05/20/21 07:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*05/18/21 21:29*	*05/20/21 07:48*	*1*

Lab Sample ID: MB 460-779070/8
Matrix: Solid
Analysis Batch: 779070

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 07:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/20/21 07:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/20/21 07:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 07:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/20/21 07:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 07:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 07:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 07:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/20/21 07:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 07:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/20/21 07:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/20/21 07:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/20/21 07:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 07:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/20/21 07:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/20/21 07:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/20/21 07:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/20/21 07:21	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/20/21 07:21	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/20/21 07:21	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/20/21 07:21	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 07:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/20/21 07:21	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 07:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/20/21 07:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/20/21 07:21	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/20/21 07:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/20/21 07:21	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/20/21 07:21	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 07:21	1

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

Lab Sample ID: MB 460-779070/8
Matrix: Solid
Analysis Batch: 779070

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 07:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/20/21 07:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/20/21 07:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/20/21 07:21	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/20/21 07:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 07:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/20/21 07:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/20/21 07:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/20/21 07:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/20/21 07:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/20/21 07:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/20/21 07:21	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/20/21 07:21	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/20/21 07:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/20/21 07:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 07:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/20/21 07:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 07:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/20/21 07:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/20/21 07:21	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/20/21 07:21	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/20/21 07:21*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*		*05/20/21 07:21*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*		*05/20/21 07:21*	*1*
Dibromofluoromethane (Surr)	*119*		*48 - 150*		*05/20/21 07:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/20/21 07:21*	*1*

Lab Sample ID: LCS 460-779070/4
Matrix: Solid
Analysis Batch: 779070

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0221		mg/Kg		111	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0189		mg/Kg		95	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0275	*	mg/Kg		137	78 - 136
1,1,2-Trichloroethane	0.0200	0.0185		mg/Kg		92	75 - 120
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	76 - 129
1,1-Dichloroethene	0.0200	0.0227		mg/Kg		113	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0212		mg/Kg		106	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0218		mg/Kg		109	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0157		mg/Kg		78	60 - 126
1,2-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		95	70 - 132

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

Lab Sample ID: LCS 460-779070/4
Matrix: Solid
Analysis Batch: 779070

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.0200	0.0200		mg/Kg		100	73 - 124
1,3-Dichlorobenzene	0.0200	0.0219		mg/Kg		110	80 - 120
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.126	*	mg/Kg		126	75 - 120
2-Hexanone	0.100	0.0886		mg/Kg		89	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0943		mg/Kg		94	80 - 122
Acetone	0.100	0.0928		mg/Kg		93	63 - 131
Benzene	0.0200	0.0211		mg/Kg		106	80 - 123
Bromoform	0.0200	0.0161		mg/Kg		80	48 - 142
Bromomethane	0.0200	0.0225		mg/Kg		112	46 - 150
Carbon disulfide	0.0200	0.0224		mg/Kg		112	67 - 136
Carbon tetrachloride	0.0200	0.0206		mg/Kg		103	72 - 136
Chlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120
Chlorobromomethane	0.0200	0.0226		mg/Kg		113	76 - 127
Chlorodibromomethane	0.0200	0.0164		mg/Kg		82	62 - 128
Chloroethane	0.0200	0.0231		mg/Kg		116	49 - 150
Chloroform	0.0200	0.0223		mg/Kg		112	79 - 126
Chloromethane	0.0200	0.0199		mg/Kg		100	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0227		mg/Kg		114	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0162		mg/Kg		81	72 - 120
Cyclohexane	0.0200	0.0232		mg/Kg		116	80 - 132
Dichlorobromomethane	0.0200	0.0184		mg/Kg		92	73 - 124
Dichlorodifluoromethane	0.0200	0.0237		mg/Kg		119	40 - 146
Ethylbenzene	0.0200	0.0208		mg/Kg		104	80 - 120
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120
Isopropylbenzene	0.0200	0.0215		mg/Kg		108	80 - 120
Methyl acetate	0.0400	0.0402		mg/Kg		101	58 - 143
Methyl tert-butyl ether	0.0200	0.0219		mg/Kg		109	80 - 125
Methylcyclohexane	0.0200	0.0228		mg/Kg		114	79 - 133
Methylene Chloride	0.0200	0.0223		mg/Kg		112	76 - 127
m-Xylene & p-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120
o-Xylene	0.0200	0.0210		mg/Kg		105	80 - 120
Styrene	0.0200	0.0197		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0218		mg/Kg		109	78 - 123
Toluene	0.0200	0.0204		mg/Kg		102	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0232		mg/Kg		116	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0149		mg/Kg		75	68 - 120
Trichloroethene	0.0200	0.0228		mg/Kg		114	79 - 120
Trichlorofluoromethane	0.0200	0.0242		mg/Kg		121	67 - 142
Vinyl chloride	0.0200	0.0213		mg/Kg		107	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*109*		*70 - 139*
Dibromofluoromethane (Surr)	*122*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 460-779070/5
Matrix: Solid
Analysis Batch: 779070

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0218		mg/Kg		109	78 - 132	2	30
1,1,2,2-Tetrachloroethane			0.0200	0.0185		mg/Kg		92	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0268		mg/Kg		134	78 - 136	2	30
1,1,2-Trichloroethane			0.0200	0.0187		mg/Kg		93	75 - 120	1	30
1,1-Dichloroethane			0.0200	0.0210		mg/Kg		105	76 - 129	3	30
1,1-Dichloroethene			0.0200	0.0223		mg/Kg		112	77 - 132	1	30
1,2,3-Trichlorobenzene			0.0200	0.0210		mg/Kg		105	65 - 144	1	30
1,2,4-Trichlorobenzene			0.0200	0.0220		mg/Kg		110	75 - 120	1	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0156		mg/Kg		78	60 - 126	0	30
1,2-Dichlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0187		mg/Kg		94	70 - 132	1	30
1,2-Dichloropropane			0.0200	0.0196		mg/Kg		98	73 - 124	2	30
1,3-Dichlorobenzene			0.0200	0.0210		mg/Kg		105	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0200		mg/Kg		100	80 - 120	3	30
2-Butanone (MEK)			0.100	0.122	*	mg/Kg		122	75 - 120	3	30
2-Hexanone			0.100	0.0869		mg/Kg		87	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0926		mg/Kg		93	80 - 122	2	30
Acetone			0.100	0.0921		mg/Kg		92	63 - 131	1	30
Benzene			0.0200	0.0205		mg/Kg		103	80 - 123	3	30
Bromoform			0.0200	0.0156		mg/Kg		78	48 - 142	3	30
Bromomethane			0.0200	0.0227		mg/Kg		113	46 - 150	1	30
Carbon disulfide			0.0200	0.0225		mg/Kg		112	67 - 136	1	30
Carbon tetrachloride			0.0200	0.0208		mg/Kg		104	72 - 136	1	30
Chlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
Chlorobromomethane			0.0200	0.0213		mg/Kg		106	76 - 127	6	30
Chlorodibromomethane			0.0200	0.0160		mg/Kg		80	62 - 128	3	30
Chloroethane			0.0200	0.0218		mg/Kg		109	49 - 150	6	30
Chloroform			0.0200	0.0217		mg/Kg		108	79 - 126	3	30
Chloromethane			0.0200	0.0207		mg/Kg		103	48 - 150	4	30
cis-1,2-Dichloroethene			0.0200	0.0225		mg/Kg		113	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0161		mg/Kg		81	72 - 120	1	30
Cyclohexane			0.0200	0.0231		mg/Kg		116	80 - 132	0	30
Dichlorobromomethane			0.0200	0.0181		mg/Kg		90	73 - 124	2	30
Dichlorodifluoromethane			0.0200	0.0216		mg/Kg		108	40 - 146	9	30
Ethylbenzene			0.0200	0.0206		mg/Kg		103	80 - 120	1	30
Ethylene Dibromide			0.0200	0.0185		mg/Kg		93	79 - 120	3	30
Isopropylbenzene			0.0200	0.0217		mg/Kg		108	80 - 120	1	30
Methyl acetate			0.0400	0.0379		mg/Kg		95	58 - 143	6	30
Methyl tert-butyl ether			0.0200	0.0215		mg/Kg		108	80 - 125	2	30
Methylcyclohexane			0.0200	0.0223		mg/Kg		111	79 - 133	2	30
Methylene Chloride			0.0200	0.0214		mg/Kg		107	76 - 127	4	30
m-Xylene & p-Xylene			0.0200	0.0212		mg/Kg		106	80 - 120	0	30
o-Xylene			0.0200	0.0207		mg/Kg		104	80 - 120	1	30
Styrene			0.0200	0.0191		mg/Kg		96	80 - 120	3	30
Tetrachloroethene			0.0200	0.0217		mg/Kg		108	78 - 123	0	30
Toluene			0.0200	0.0197		mg/Kg		98	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0218		mg/Kg		109	78 - 128	6	30
trans-1,3-Dichloropropene			0.0200	0.0147		mg/Kg		74	68 - 120	1	30

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

Lab Sample ID: LCSD 460-779070/5
Matrix: Solid
Analysis Batch: 779070

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0221		mg/Kg		110	79 - 120	3	30
Trichlorofluoromethane			0.0200	0.0215		mg/Kg		107	67 - 142	12	30
Vinyl chloride			0.0200	0.0227		mg/Kg		113	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
4-Bromofluorobenzene	*109*		*70 - 139*
Dibromofluoromethane (Surr)	*117*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-779127/9
Matrix: Solid
Analysis Batch: 779127

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/20/21 12:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/20/21 12:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/20/21 12:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/20/21 12:05	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/20/21 12:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/20/21 12:05	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/20/21 12:05	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/20/21 12:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/20/21 12:05	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/20/21 12:05	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/20/21 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 123*		*05/20/21 12:05*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/20/21 12:05*	*1*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*05/20/21 12:05*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/20/21 12:05*	*1*

Lab Sample ID: LCS 460-779127/4
Matrix: Solid
Analysis Batch: 779127

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0190		mg/L		95	68 - 133		
1,2-Dichloroethane			0.0200	0.0215		mg/L		108	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0201		mg/L		100	80 - 118		
2-Butanone (MEK)			0.100	0.102		mg/L		102	69 - 128		
Benzene			0.0200	0.0205		mg/L		103	78 - 126		
Carbon tetrachloride			0.0200	0.0211		mg/L		105	56 - 131		
Chlorobenzene			0.0200	0.0210		mg/L		105	80 - 119		
Chloroform			0.0200	0.0209		mg/L		105	78 - 125		
Tetrachloroethene			0.0200	0.0199		mg/L		99	70 - 127		
Trichloroethene			0.0200	0.0199		mg/L		100	71 - 121		

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

Lab Sample ID: LCS 460-779127/4
Matrix: Solid
Analysis Batch: 779127

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			0.0200	0.0183		mg/L		91	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*
4-Bromofluorobenzene	*114*		*76 - 120*
Dibromofluoromethane (Surr)	*109*		*77 - 124*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-779127/5
Matrix: Solid
Analysis Batch: 779127

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0191		mg/L		95	68 - 133	0	30
1,2-Dichloroethane			0.0200	0.0207		mg/L		104	75 - 121	4	30
1,4-Dichlorobenzene			0.0200	0.0200		mg/L		100	80 - 118	0	30
2-Butanone (MEK)			0.100	0.0920		mg/L		92	69 - 128	11	30
Benzene			0.0200	0.0198		mg/L		99	78 - 126	4	30
Carbon tetrachloride			0.0200	0.0217		mg/L		109	56 - 131	3	30
Chlorobenzene			0.0200	0.0200		mg/L		100	80 - 119	5	30
Chloroform			0.0200	0.0224		mg/L		112	78 - 125	7	30
Tetrachloroethene			0.0200	0.0197		mg/L		99	70 - 127	1	30
Trichloroethene			0.0200	0.0217		mg/L		109	71 - 121	9	30
Vinyl chloride			0.0200	0.0198		mg/L		99	61 - 144	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*
4-Bromofluorobenzene	*114*		*76 - 120*
Dibromofluoromethane (Surr)	*116*		*77 - 124*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 460-779132/9
Matrix: Solid
Analysis Batch: 779132

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/20/21 13:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/20/21 13:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/20/21 13:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/20/21 13:05	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/20/21 13:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/20/21 13:05	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/20/21 13:05	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/20/21 13:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/20/21 13:05	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/20/21 13:05	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/20/21 13:05	1

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

Lab Sample ID: MB 460-779132/9
Matrix: Solid
Analysis Batch: 779132

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		05/20/21 13:05	1
4-Bromofluorobenzene	101		76 - 120		05/20/21 13:05	1
Dibromofluoromethane (Surr)	105		77 - 124		05/20/21 13:05	1
Toluene-d8 (Surr)	103		80 - 120		05/20/21 13:05	1

Lab Sample ID: LCS 460-779132/4
Matrix: Solid
Analysis Batch: 779132

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0167		mg/L		84	68 - 133
1,2-Dichloroethane	0.0200	0.0199		mg/L		100	75 - 121
1,4-Dichlorobenzene	0.0200	0.0200		mg/L		100	80 - 118
2-Butanone (MEK)	0.100	0.102		mg/L		102	69 - 128
Benzene	0.0200	0.0203		mg/L		101	78 - 126
Carbon tetrachloride	0.0200	0.0319	*	mg/L		160	56 - 131
Chlorobenzene	0.0200	0.0195		mg/L		98	80 - 119
Chloroform	0.0200	0.0200		mg/L		100	78 - 125
Tetrachloroethene	0.0200	0.0208		mg/L		104	70 - 127
Trichloroethene	0.0200	0.0200		mg/L		100	71 - 121
Vinyl chloride	0.0200	0.0185		mg/L		93	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		75 - 123
4-Bromofluorobenzene	104		76 - 120
Dibromofluoromethane (Surr)	104		77 - 124
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 460-779132/5
Matrix: Solid
Analysis Batch: 779132

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0161		mg/L		80	68 - 133	4	30
1,2-Dichloroethane	0.0200	0.0191		mg/L		96	75 - 121	4	30
1,4-Dichlorobenzene	0.0200	0.0197		mg/L		99	80 - 118	1	30
2-Butanone (MEK)	0.100	0.102		mg/L		102	69 - 128	1	30
Benzene	0.0200	0.0215		mg/L		107	78 - 126	6	30
Carbon tetrachloride	0.0200	0.0312	*	mg/L		156	56 - 131	2	30
Chlorobenzene	0.0200	0.0197		mg/L		99	80 - 119	1	30
Chloroform	0.0200	0.0199		mg/L		100	78 - 125	1	30
Tetrachloroethene	0.0200	0.0213		mg/L		106	70 - 127	2	30
Trichloroethene	0.0200	0.0193		mg/L		96	71 - 121	4	30
Vinyl chloride	0.0200	0.0184		mg/L		92	61 - 144	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		75 - 123
4-Bromofluorobenzene	111		76 - 120

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

Lab Sample ID: LCSD 460-779132/5
Matrix: Solid
Analysis Batch: 779132

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LB 460-778839/1-A
Matrix: Solid
Analysis Batch: 779127

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/20/21 14:36	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/20/21 14:36	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/20/21 14:36	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/20/21 14:36	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/20/21 14:36	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/20/21 14:36	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/20/21 14:36	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/20/21 14:36	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/20/21 14:36	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/20/21 14:36	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/20/21 14:36	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 123*		*05/20/21 14:36*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/20/21 14:36*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*05/20/21 14:36*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/20/21 14:36*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-778896/1-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/19/21 10:40	05/19/21 21:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778896/1-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/19/21 10:40	05/19/21 21:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-778896/1-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/19/21 10:40	05/19/21 21:35	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/19/21 10:40	05/19/21 21:35	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decane	*0.0858*	*J*	*mg/Kg*		*4.21*	*124-18-5*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/19/21 10:40*	*05/19/21 21:35*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 123*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
2-Fluorobiphenyl	*85*		*14 - 103*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 105*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
Nitrobenzene-d5 (Surr)	*89*		*11 - 104*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
Phenol-d5 (Surr)	*89*		*15 - 100*	*05/19/21 10:40*	*05/19/21 21:35*	*1*
Terphenyl-d14 (Surr)	*98*		*12 - 126*	*05/19/21 10:40*	*05/19/21 21:35*	*1*

Lab Sample ID: LCS 460-778896/2-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.86		mg/Kg		86	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.96		mg/Kg		89	64 - 110
1,4-Dioxane	3.33	2.03		mg/Kg		61	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.19		mg/Kg		96	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.58		mg/Kg		78	58 - 113
2,4,5-Trichlorophenol	3.33	2.80		mg/Kg		84	64 - 112
2,4,6-Trichlorophenol	3.33	3.01		mg/Kg		90	63 - 113
2,4-Dichlorophenol	3.33	2.96		mg/Kg		89	66 - 113
2,4-Dimethylphenol	3.33	2.87		mg/Kg		86	63 - 107
2,4-Dinitrophenol	6.67	5.33		mg/Kg		80	25 - 150
2,4-Dinitrotoluene	3.33	3.02		mg/Kg		91	65 - 124
2,6-Dinitrotoluene	3.33	3.08		mg/Kg		93	67 - 121
2-Chloronaphthalene	3.33	2.82		mg/Kg		85	65 - 109
2-Chlorophenol	3.33	2.95		mg/Kg		88	63 - 106
2-Methylnaphthalene	3.33	2.86		mg/Kg		86	64 - 108
2-Methylphenol	3.33	3.15		mg/Kg		95	63 - 108
2-Nitroaniline	3.33	3.12		mg/Kg		94	59 - 119
2-Nitrophenol	3.33	2.88		mg/Kg		87	64 - 112
3,3'-Dichlorobenzidine	3.33	1.92		mg/Kg		58	17 - 101
3-Nitroaniline	3.33	2.52		mg/Kg		76	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.99		mg/Kg		90	44 - 136
4-Bromophenyl phenyl ether	3.33	3.09		mg/Kg		93	67 - 113
4-Chloro-3-methylphenol	3.33	3.08		mg/Kg		92	66 - 114
4-Chloroaniline	3.33	2.09		mg/Kg		63	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.95		mg/Kg		89	66 - 110
4-Methylphenol	3.33	3.12		mg/Kg		94	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778896/2-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	3.33	2.60		mg/Kg		78	50 - 110
4-Nitrophenol	6.67	5.16		mg/Kg		77	47 - 123
Acenaphthene	3.33	2.37		mg/Kg		71	53 - 110
Acenaphthylene	3.33	2.84		mg/Kg		85	64 - 108
Acetophenone	3.33	2.86		mg/Kg		86	61 - 103
Anthracene	3.33	3.00		mg/Kg		90	67 - 114
Atrazine	1.33	1.79		mg/Kg		134	44 - 145
Benzaldehyde	1.33	1.71		mg/Kg		128	43 - 150
Benzo[a]anthracene	3.33	2.90		mg/Kg		87	67 - 115
Benzo[a]pyrene	3.33	3.42		mg/Kg		103	73 - 123
Benzo[b]fluoranthene	3.33	3.40		mg/Kg		102	70 - 125
Benzo[g,h,i]perylene	3.33	3.13		mg/Kg		94	61 - 113
Benzo[k]fluoranthene	3.33	3.16		mg/Kg		95	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.96		mg/Kg		89	62 - 107
Bis(2-chloroethyl)ether	3.33	3.00		mg/Kg		90	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.92		mg/Kg		87	59 - 111
Butyl benzyl phthalate	3.33	3.03		mg/Kg		91	62 - 113
Caprolactam	1.33	1.60		mg/Kg		120	59 - 140
Carbazole	3.33	2.83		mg/Kg		85	64 - 113
Chrysene	3.33	2.92		mg/Kg		88	71 - 122
Dibenz(a,h)anthracene	3.33	3.22		mg/Kg		96	66 - 119
Dibenzofuran	3.33	2.84		mg/Kg		85	65 - 108
Diethyl phthalate	3.33	2.83		mg/Kg		85	63 - 109
Dimethyl phthalate	3.33	2.86		mg/Kg		86	65 - 109
Di-n-butyl phthalate	3.33	2.94		mg/Kg		88	66 - 114
Di-n-octyl phthalate	3.33	3.34		mg/Kg		100	65 - 122
Fluoranthene	3.33	2.83		mg/Kg		85	61 - 106
Fluorene	3.33	2.85		mg/Kg		86	65 - 109
Hexachlorobenzene	3.33	3.17		mg/Kg		95	61 - 113
Hexachlorobutadiene	3.33	2.94		mg/Kg		88	62 - 109
Hexachlorocyclopentadiene	3.33	2.66		mg/Kg		80	42 - 118
Hexachloroethane	3.33	2.88		mg/Kg		87	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.30		mg/Kg		99	62 - 121
Isophorone	3.33	3.03		mg/Kg		91	63 - 107
Naphthalene	3.33	2.81		mg/Kg		84	63 - 106
Nitrobenzene	3.33	3.09		mg/Kg		93	63 - 110
N-Nitrosodi-n-propylamine	3.33	3.22		mg/Kg		97	61 - 108
N-Nitrosodiphenylamine	3.33	3.03		mg/Kg		91	67 - 113
Pentachlorophenol	6.67	4.58		mg/Kg		69	44 - 126
Phenanthrene	3.33	2.91		mg/Kg		87	66 - 112
Phenol	3.33	3.10		mg/Kg		93	63 - 110
Pyrene	3.33	3.08		mg/Kg		93	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*90*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-778896/2-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778896

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	91		15 - 100
Terphenyl-d14 (Surr)	101		12 - 126

Lab Sample ID: LCSD 460-778896/3-A
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.92		mg/Kg		88	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene			3.33	2.98		mg/Kg		89	64 - 110	1	30
1,4-Dioxane			3.33	2.06		mg/Kg		62	31 - 81	1	30
2,2'-oxybis[1-chloropropane]			3.33	3.21		mg/Kg		96	49 - 109	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.72		mg/Kg		82	58 - 113	5	30
2,4,5-Trichlorophenol			3.33	2.89		mg/Kg		87	64 - 112	3	30
2,4,6-Trichlorophenol			3.33	3.10		mg/Kg		93	63 - 113	3	30
2,4-Dichlorophenol			3.33	3.08		mg/Kg		92	66 - 113	4	30
2,4-Dimethylphenol			3.33	2.98		mg/Kg		89	63 - 107	4	30
2,4-Dinitrophenol			6.67	5.71		mg/Kg		86	25 - 150	7	30
2,4-Dinitrotoluene			3.33	3.13		mg/Kg		94	65 - 124	4	30
2,6-Dinitrotoluene			3.33	3.11		mg/Kg		93	67 - 121	1	30
2-Chloronaphthalene			3.33	2.88		mg/Kg		87	65 - 109	2	30
2-Chlorophenol			3.33	2.99		mg/Kg		90	63 - 106	1	30
2-Methylnaphthalene			3.33	2.89		mg/Kg		87	64 - 108	1	30
2-Methylphenol			3.33	3.09		mg/Kg		93	63 - 108	2	30
2-Nitroaniline			3.33	3.15		mg/Kg		95	59 - 119	1	30
2-Nitrophenol			3.33	2.97		mg/Kg		89	64 - 112	3	30
3,3'-Dichlorobenzidine			3.33	2.04		mg/Kg		61	17 - 101	6	30
3-Nitroaniline			3.33	2.57		mg/Kg		77	31 - 102	2	30
4,6-Dinitro-2-methylphenol			6.67	5.92		mg/Kg		89	44 - 136	1	30
4-Bromophenyl phenyl ether			3.33	3.10		mg/Kg		93	67 - 113	1	30
4-Chloro-3-methylphenol			3.33	3.18		mg/Kg		96	66 - 114	3	30
4-Chloroaniline			3.33	2.22		mg/Kg		67	20 - 98	6	30
4-Chlorophenyl phenyl ether			3.33	3.00		mg/Kg		90	66 - 110	2	30
4-Methylphenol			3.33	3.11		mg/Kg		93	61 - 108	0	30
4-Nitroaniline			3.33	2.66		mg/Kg		80	50 - 110	2	30
4-Nitrophenol			6.67	5.40		mg/Kg		81	47 - 123	4	30
Acenaphthene			3.33	2.42		mg/Kg		73	53 - 110	2	30
Acenaphthylene			3.33	2.87		mg/Kg		86	64 - 108	1	30
Acetophenone			3.33	2.89		mg/Kg		87	61 - 103	1	30
Anthracene			3.33	2.98		mg/Kg		89	67 - 114	1	30
Atrazine			1.33	1.91		mg/Kg		143	44 - 145	6	30
Benzaldehyde			1.33	1.79		mg/Kg		134	43 - 150	4	30
Benzo[a]anthracene			3.33	2.90		mg/Kg		87	67 - 115	0	30
Benzo[a]pyrene			3.33	3.44		mg/Kg		103	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.40		mg/Kg		102	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	3.22		mg/Kg		97	61 - 113	3	30
Benzo[k]fluoranthene			3.33	3.22		mg/Kg		97	67 - 115	2	30
Bis(2-chloroethoxy)methane			3.33	2.99		mg/Kg		90	62 - 107	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-778896/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779019
Prep Batch: 778896

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	3.33	2.95		mg/Kg		88	60 - 107	2	30
Bis(2-ethylhexyl) phthalate	3.33	2.96		mg/Kg		89	59 - 111	2	30
Butyl benzyl phthalate	3.33	3.05		mg/Kg		92	62 - 113	1	30
Caprolactam	1.33	1.87	*	mg/Kg		141	59 - 140	16	30
Carbazole	3.33	2.82		mg/Kg		85	64 - 113	0	30
Chrysene	3.33	2.87		mg/Kg		86	71 - 122	2	30
Dibenz(a,h)anthracene	3.33	3.31		mg/Kg		99	66 - 119	3	30
Dibenzofuran	3.33	2.92		mg/Kg		88	65 - 108	3	30
Diethyl phthalate	3.33	2.88		mg/Kg		86	63 - 109	2	30
Dimethyl phthalate	3.33	2.98		mg/Kg		89	65 - 109	4	30
Di-n-butyl phthalate	3.33	2.90		mg/Kg		87	66 - 114	2	30
Di-n-octyl phthalate	3.33	3.36		mg/Kg		101	65 - 122	0	30
Fluoranthene	3.33	2.87		mg/Kg		86	61 - 106	1	30
Fluorene	3.33	2.91		mg/Kg		87	65 - 109	2	30
Hexachlorobenzene	3.33	3.15		mg/Kg		94	61 - 113	1	30
Hexachlorobutadiene	3.33	2.98		mg/Kg		89	62 - 109	1	30
Hexachlorocyclopentadiene	3.33	2.68		mg/Kg		80	42 - 118	1	30
Hexachloroethane	3.33	2.85		mg/Kg		86	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	3.33	3.37		mg/Kg		101	62 - 121	2	30
Isophorone	3.33	3.15		mg/Kg		94	63 - 107	4	30
Naphthalene	3.33	2.87		mg/Kg		86	63 - 106	2	30
Nitrobenzene	3.33	3.10		mg/Kg		93	63 - 110	0	30
N-Nitrosodi-n-propylamine	3.33	3.28		mg/Kg		98	61 - 108	2	30
N-Nitrosodiphenylamine	3.33	2.96		mg/Kg		89	67 - 113	2	30
Pentachlorophenol	6.67	4.62		mg/Kg		69	44 - 126	1	30
Phenanthrene	3.33	2.89		mg/Kg		87	66 - 112	1	30
Phenol	3.33	3.13		mg/Kg		94	63 - 110	1	30
Pyrene	3.33	3.05		mg/Kg		91	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*87*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*99*		*12 - 126*

Lab Sample ID: 460-234565-1 MS
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779019
Prep Batch: 778896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.37	U	3.71	2.26	*	mg/Kg	☼	61	65 - 110
1,2,4,5-Tetrachlorobenzene	0.37	U	3.71	2.21	*	mg/Kg	☼	60	64 - 110
1,4-Dioxane	0.037	U	3.71	1.56		mg/Kg	☼	42	31 - 81
2,2'-oxybis[1-chloropropane]	0.37	U	3.71	2.49		mg/Kg	☼	67	49 - 109
2,3,4,6-Tetrachlorophenol	0.37	U	3.71	1.72	*	mg/Kg	☼	46	58 - 113
2,4,5-Trichlorophenol	0.37	U	3.71	2.20	*	mg/Kg	☼	59	64 - 112

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 778896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	0.15	U	3.71	2.24	*	mg/Kg	☼	60	63 - 113
2,4-Dichlorophenol	0.15	U	3.71	2.32	*	mg/Kg	☼	62	66 - 113
2,4-Dimethylphenol	0.37	U	3.71	2.29	*	mg/Kg	☼	62	63 - 107
2,4-Dinitrophenol	0.30	U	7.43	2.95		mg/Kg	☼	40	25 - 150
2,4-Dinitrotoluene	0.075	U	3.71	2.26	*	mg/Kg	☼	61	65 - 124
2,6-Dinitrotoluene	0.075	U	3.71	2.42	*	mg/Kg	☼	65	67 - 121
2-Chloronaphthalene	0.37	U	3.71	2.20	*	mg/Kg	☼	59	65 - 109
2-Chlorophenol	0.37	U	3.71	2.36		mg/Kg	☼	64	63 - 106
2-Methylnaphthalene	0.018	J	3.71	2.25	*	mg/Kg	☼	60	64 - 108
2-Methylphenol	0.37	U	3.71	2.48		mg/Kg	☼	67	63 - 108
2-Nitroaniline	0.37	U	3.71	2.45		mg/Kg	☼	66	59 - 119
2-Nitrophenol	0.37	U	3.71	2.30	*	mg/Kg	☼	62	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.71	1.99		mg/Kg	☼	54	17 - 101
3-Nitroaniline	0.37	U	3.71	2.13		mg/Kg	☼	57	31 - 102
4,6-Dinitro-2-methylphenol	0.30	U	7.43	3.50		mg/Kg	☼	47	44 - 136
4-Bromophenyl phenyl ether	0.37	U	3.71	2.43	*	mg/Kg	☼	66	67 - 113
4-Chloro-3-methylphenol	0.37	U	3.71	2.45		mg/Kg	☼	66	66 - 114
4-Chloroaniline	0.37	U	3.71	1.84		mg/Kg	☼	50	20 - 98
4-Chlorophenyl phenyl ether	0.37	U	3.71	2.27	*	mg/Kg	☼	61	66 - 110
4-Methylphenol	0.37	U	3.71	2.51		mg/Kg	☼	68	61 - 108
4-Nitroaniline	0.37	U	3.71	1.99		mg/Kg	☼	54	50 - 110
4-Nitrophenol	0.75	U	7.43	4.13		mg/Kg	☼	56	47 - 123
Acenaphthene	0.37	U	3.71	1.87	*	mg/Kg	☼	50	53 - 110
Acenaphthylene	0.025	J	3.71	2.24	*	mg/Kg	☼	60	64 - 108
Acetophenone	0.37	U	3.71	2.37		mg/Kg	☼	64	61 - 103
Anthracene	0.038	J	3.71	2.38	*	mg/Kg	☼	63	67 - 114
Atrazine	0.15	U	1.49	1.58		mg/Kg	☼	106	44 - 145
Benzaldehyde	0.37	U	1.49	1.63	E	mg/Kg	☼	110	43 - 150
Benzo[a]anthracene	0.13		3.71	2.54	*	mg/Kg	☼	65	67 - 115
Benzo[a]pyrene	0.16		3.71	2.98		mg/Kg	☼	76	73 - 123
Benzo[b]fluoranthene	0.25		3.71	3.09		mg/Kg	☼	77	70 - 125
Benzo[g,h,i]perylene	0.087	J	3.71	2.01	*	mg/Kg	☼	52	61 - 113
Benzo[k]fluoranthene	0.094		3.71	3.05		mg/Kg	☼	80	67 - 115
Bis(2-chloroethoxy)methane	0.37	U	3.71	2.34		mg/Kg	☼	63	62 - 107
Bis(2-chloroethyl)ether	0.037	U	3.71	2.40		mg/Kg	☼	65	60 - 107
Bis(2-ethylhexyl) phthalate	0.036	J	3.71	2.34		mg/Kg	☼	62	59 - 111
Butyl benzyl phthalate	0.37	U	3.71	2.34		mg/Kg	☼	63	62 - 113
Caprolactam	0.37	U *	1.49	1.47		mg/Kg	☼	99	59 - 140
Carbazole	0.016	J	3.71	2.24	*	mg/Kg	☼	60	64 - 113
Chrysene	0.14	J	3.71	2.59	*	mg/Kg	☼	66	71 - 122
Dibenz(a,h)anthracene	0.021	J	3.71	2.06	*	mg/Kg	☼	55	66 - 119
Dibenzofuran	0.0083	J	3.71	2.27	*	mg/Kg	☼	61	65 - 108
Diethyl phthalate	0.37	U	3.71	2.24	*	mg/Kg	☼	60	63 - 109
Dimethyl phthalate	0.37	U	3.71	2.28	*	mg/Kg	☼	61	65 - 109
Di-n-butyl phthalate	0.37	U	3.71	2.33	*	mg/Kg	☼	63	66 - 114
Di-n-octyl phthalate	0.37	U	3.71	2.73		mg/Kg	☼	73	65 - 122
Fluoranthene	0.18	J	3.71	2.60		mg/Kg	☼	65	61 - 106
Fluorene	0.0078	J	3.71	2.18	*	mg/Kg	☼	59	65 - 109
Hexachlorobenzene	0.037	U	3.71	2.35		mg/Kg	☼	63	61 - 113

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 778896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	0.075	U	3.71	2.32		mg/Kg	☼	63	62 - 109
Hexachlorocyclopentadiene	0.37	U	3.71	1.06	*	mg/Kg	☼	29	42 - 118
Hexachloroethane	0.037	U	3.71	2.18	*	mg/Kg	☼	59	61 - 102
Indeno[1,2,3-cd]pyrene	0.096		3.71	2.24	*	mg/Kg	☼	58	62 - 121
Isophorone	0.15	U	3.71	2.41		mg/Kg	☼	65	63 - 107
Naphthalene	0.018	J	3.71	2.26	*	mg/Kg	☼	60	63 - 106
Nitrobenzene	0.037	U	3.71	2.52		mg/Kg	☼	68	63 - 110
N-Nitrosodi-n-propylamine	0.037	U	3.71	2.60		mg/Kg	☼	70	61 - 108
N-Nitrosodiphenylamine	0.37	U	3.71	2.34	*	mg/Kg	☼	63	67 - 113
Pentachlorophenol	0.30	U	7.43	2.40	*	mg/Kg	☼	32	44 - 126
Phenanthrene	0.073	J	3.71	2.49	*	mg/Kg	☼	65	66 - 112
Phenol	0.37	U	3.71	2.46		mg/Kg	☼	66	63 - 110
Pyrene	0.20	J	3.71	2.60		mg/Kg	☼	65	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 123*
2-Fluorobiphenyl	*58*		*14 - 103*
2-Fluorophenol (Surr)	*63*		*10 - 105*
Nitrobenzene-d5 (Surr)	*59*		*11 - 104*
Phenol-d5 (Surr)	*65*		*15 - 100*
Terphenyl-d14 (Surr)	*62*		*12 - 126*

Lab Sample ID: 460-234565-1 MSD
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 778896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.37	U	3.71	1.86	*	mg/Kg	☼	50	65 - 110	20	30
1,2,4,5-Tetrachlorobenzene	0.37	U	3.71	1.82	*	mg/Kg	☼	49	64 - 110	19	30
1,4-Dioxane	0.037	U	3.71	1.13	*	mg/Kg	☼	30	31 - 81	32	30
2,2'-oxybis[1-chloropropane]	0.37	U	3.71	1.89		mg/Kg	☼	51	49 - 109	27	30
2,3,4,6-Tetrachlorophenol	0.37	U	3.71	1.55	*	mg/Kg	☼	42	58 - 113	10	30
2,4,5-Trichlorophenol	0.37	U	3.71	1.81	*	mg/Kg	☼	49	64 - 112	20	30
2,4,6-Trichlorophenol	0.15	U	3.71	1.89	*	mg/Kg	☼	51	63 - 113	17	30
2,4-Dichlorophenol	0.15	U	3.71	1.89	*	mg/Kg	☼	51	66 - 113	20	30
2,4-Dimethylphenol	0.37	U	3.71	1.84	*	mg/Kg	☼	50	63 - 107	22	30
2,4-Dinitrophenol	0.30	U	7.43	1.57	*	mg/Kg	☼	21	25 - 150	61	30
2,4-Dinitrotoluene	0.075	U	3.71	1.96	*	mg/Kg	☼	53	65 - 124	14	30
2,6-Dinitrotoluene	0.075	U	3.71	2.10	*	mg/Kg	☼	56	67 - 121	14	30
2-Chloronaphthalene	0.37	U	3.71	1.87	*	mg/Kg	☼	50	65 - 109	16	30
2-Chlorophenol	0.37	U	3.71	1.86	*	mg/Kg	☼	50	63 - 106	24	30
2-Methylnaphthalene	0.018	J	3.71	1.79	*	mg/Kg	☼	48	64 - 108	23	30
2-Methylphenol	0.37	U	3.71	1.95	*	mg/Kg	☼	52	63 - 108	24	30
2-Nitroaniline	0.37	U	3.71	2.07	*	mg/Kg	☼	56	59 - 119	17	30
2-Nitrophenol	0.37	U	3.71	1.76	*	mg/Kg	☼	47	64 - 112	26	30
3,3'-Dichlorobenzidine	0.15	U	3.71	1.85		mg/Kg	☼	50	17 - 101	7	30
3-Nitroaniline	0.37	U	3.71	1.87		mg/Kg	☼	50	31 - 102	13	30
4,6-Dinitro-2-methylphenol	0.30	U	7.43	2.26	*	mg/Kg	☼	30	44 - 136	43	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234565-1 MSD
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779019
Prep Batch: 778896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether	0.37	U	3.71	1.97	*	mg/Kg	☼	53	67 - 113	21	30
4-Chloro-3-methylphenol	0.37	U	3.71	1.99	*	mg/Kg	☼	54	66 - 114	21	30
4-Chloroaniline	0.37	U	3.71	1.62		mg/Kg	☼	44	20 - 98	13	30
4-Chlorophenyl phenyl ether	0.37	U	3.71	1.91	*	mg/Kg	☼	51	66 - 110	17	30
4-Methylphenol	0.37	U	3.71	2.00	*	mg/Kg	☼	54	61 - 108	23	30
4-Nitroaniline	0.37	U	3.71	1.84		mg/Kg	☼	50	50 - 110	8	30
4-Nitrophenol	0.75	U	7.43	3.75		mg/Kg	☼	50	47 - 123	10	30
Acenaphthene	0.37	U	3.71	1.59	*	mg/Kg	☼	43	53 - 110	16	30
Acenaphthylene	0.025	J	3.71	1.87	*	mg/Kg	☼	50	64 - 108	18	30
Acetophenone	0.37	U	3.71	1.80	*	mg/Kg	☼	48	61 - 103	27	30
Anthracene	0.038	J	3.71	1.97	*	mg/Kg	☼	52	67 - 114	18	30
Atrazine	0.15	U	1.49	1.37		mg/Kg	☼	92	44 - 145	14	30
Benzaldehyde	0.37	U	1.49	1.16	*	mg/Kg	☼	78	43 - 150	34	30
Benzo[a]anthracene	0.13		3.71	2.05	*	mg/Kg	☼	52	67 - 115	21	30
Benzo[a]pyrene	0.16		3.71	2.46	*	mg/Kg	☼	62	73 - 123	19	30
Benzo[b]fluoranthene	0.25		3.71	2.61	*	mg/Kg	☼	64	70 - 125	17	30
Benzo[g,h,i]perylene	0.087	J	3.71	1.67	*	mg/Kg	☼	43	61 - 113	19	30
Benzo[k]fluoranthene	0.094		3.71	2.46	*	mg/Kg	☼	64	67 - 115	22	30
Bis(2-chloroethoxy)methane	0.37	U	3.71	1.76	*	mg/Kg	☼	47	62 - 107	28	30
Bis(2-chloroethyl)ether	0.037	U	3.71	1.78	*	mg/Kg	☼	48	60 - 107	30	30
Bis(2-ethylhexyl) phthalate	0.036	J	3.71	1.91	*	mg/Kg	☼	51	59 - 111	20	30
Butyl benzyl phthalate	0.37	U	3.71	1.88	*	mg/Kg	☼	51	62 - 113	22	30
Caprolactam	0.37	U *	1.49	1.26		mg/Kg	☼	85	59 - 140	15	30
Carbazole	0.016	J	3.71	1.94	*	mg/Kg	☼	52	64 - 113	14	30
Chrysene	0.14	J	3.71	2.07	*	mg/Kg	☼	52	71 - 122	22	30
Dibenz(a,h)anthracene	0.021	J	3.71	1.72	*	mg/Kg	☼	46	66 - 119	18	30
Dibenzofuran	0.0083	J	3.71	1.90	*	mg/Kg	☼	51	65 - 108	17	30
Diethyl phthalate	0.37	U	3.71	1.95	*	mg/Kg	☼	52	63 - 109	14	30
Dimethyl phthalate	0.37	U	3.71	1.92	*	mg/Kg	☼	52	65 - 109	17	30
Di-n-butyl phthalate	0.37	U	3.71	1.96	*	mg/Kg	☼	53	66 - 114	17	30
Di-n-octyl phthalate	0.37	U	3.71	2.45		mg/Kg	☼	66	65 - 122	11	30
Fluoranthene	0.18	J	3.71	2.30	*	mg/Kg	☼	57	61 - 106	13	30
Fluorene	0.0078	J	3.71	1.90	*	mg/Kg	☼	51	65 - 109	14	30
Hexachlorobenzene	0.037	U	3.71	1.95	*	mg/Kg	☼	53	61 - 113	18	30
Hexachlorobutadiene	0.075	U	3.71	1.74	*	mg/Kg	☼	47	62 - 109	28	30
Hexachlorocyclopentadiene	0.37	U	3.71	0.566	*	mg/Kg	☼	15	42 - 118	61	30
Hexachloroethane	0.037	U	3.71	1.60	*	mg/Kg	☼	43	61 - 102	31	30
Indeno[1,2,3-cd]pyrene	0.096		3.71	1.87	*	mg/Kg	☼	48	62 - 121	18	30
Isophorone	0.15	U	3.71	1.89	*	mg/Kg	☼	51	63 - 107	24	30
Naphthalene	0.018	J	3.71	1.79	*	mg/Kg	☼	48	63 - 106	23	30
Nitrobenzene	0.037	U	3.71	1.91	*	mg/Kg	☼	52	63 - 110	27	30
N-Nitrosodi-n-propylamine	0.037	U	3.71	1.95	*	mg/Kg	☼	53	61 - 108	28	30
N-Nitrosodiphenylamine	0.37	U	3.71	1.92	*	mg/Kg	☼	52	67 - 113	20	30
Pentachlorophenol	0.30	U	7.43	2.15	*	mg/Kg	☼	29	44 - 126	11	30
Phenanthrene	0.073	J	3.71	2.09	*	mg/Kg	☼	54	66 - 112	17	30
Phenol	0.37	U	3.71	1.95	*	mg/Kg	☼	53	63 - 110	23	30
Pyrene	0.20	J	3.71	2.08	*	mg/Kg	☼	51	61 - 111	22	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234565-1 MSD
Matrix: Solid
Analysis Batch: 779019

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 778896

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*52*		*10 - 123*
2-Fluorobiphenyl	*48*		*14 - 103*
2-Fluorophenol (Surr)	*48*		*10 - 105*
Nitrobenzene-d5 (Surr)	*47*		*11 - 104*
Phenol-d5 (Surr)	*52*		*15 - 100*
Terphenyl-d14 (Surr)	*53*		*12 - 126*

Lab Sample ID: MB 460-779185/1-A
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 17:15	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 17:15	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 17:15	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 17:15	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 17:15	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 17:15	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 17:15	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 17:15	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 17:15	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 17:15	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 17:15	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 17:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*	*05/20/21 10:30*	*05/20/21 17:15*	*1*
2-Fluorobiphenyl	*82*		*42 - 127*	*05/20/21 10:30*	*05/20/21 17:15*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*05/20/21 10:30*	*05/20/21 17:15*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 137*	*05/20/21 10:30*	*05/20/21 17:15*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*05/20/21 10:30*	*05/20/21 17:15*	*1*
Terphenyl-d14 (Surr)	*101*		*39 - 150*	*05/20/21 10:30*	*05/20/21 17:15*	*1*

Lab Sample ID: LCS 460-779185/2-A
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0580		mg/L		72	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0729		mg/L		91	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0732		mg/L		92	66 - 117
3 & 4 Methylphenol	0.0800	0.0526		mg/L		66	43 - 78
2,4-Dinitrotoluene	0.0800	0.0922		mg/L		115	68 - 134
Pyridine	0.160	0.0610		mg/L		38	13 - 71
2-Methylphenol	0.0800	0.0577		mg/L		72	48 - 88
Hexachlorobenzene	0.0800	0.0736		mg/L		92	61 - 117
Hexachlorobutadiene	0.0800	0.0625		mg/L		78	10 - 133
Hexachloroethane	0.0800	0.0592		mg/L		74	17 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-779185/2-A
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrobenzene			0.0800	0.0855		mg/L		107	71 - 116		
Pentachlorophenol			0.160	0.151		mg/L		95	54 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*117*		*33 - 150*
2-Fluorobiphenyl	*98*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*115*		*46 - 137*
Phenol-d5 (Surr)	*38*		*10 - 50*
Terphenyl-d14 (Surr)	*110*		*39 - 150*

Lab Sample ID: LCSD 460-779185/3-A
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779185

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0584		mg/L		73	40 - 102	1	30
2,4,5-Trichlorophenol			0.0800	0.0739		mg/L		92	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0732		mg/L		91	66 - 117	0	30
3 & 4 Methylphenol			0.0800	0.0517		mg/L		65	43 - 78	2	30
2,4-Dinitrotoluene			0.0800	0.0921		mg/L		115	68 - 134	0	30
Pyridine			0.160	0.0609		mg/L		38	13 - 71	0	30
2-Methylphenol			0.0800	0.0577		mg/L		72	48 - 88	0	30
Hexachlorobenzene			0.0800	0.0751		mg/L		94	61 - 117	2	30
Hexachlorobutadiene			0.0800	0.0639		mg/L		80	10 - 133	2	30
Hexachloroethane			0.0800	0.0599		mg/L		75	17 - 115	1	30
Nitrobenzene			0.0800	0.0847		mg/L		106	71 - 116	1	30
Pentachlorophenol			0.160	0.155		mg/L		97	54 - 131	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*118*		*33 - 150*
2-Fluorobiphenyl	*99*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*116*		*46 - 137*
Phenol-d5 (Surr)	*39*		*10 - 50*
Terphenyl-d14 (Surr)	*104*		*39 - 150*

Lab Sample ID: 460-234432-K-3-A MS
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene	0.0051	J	0.0800	0.0622		mg/L		71	40 - 102		
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0737		mg/L		92	63 - 112		
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0726		mg/L		91	66 - 117		
3 & 4 Methylphenol	0.010	U	0.0800	0.0497		mg/L		62	43 - 78		
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0933		mg/L		117	68 - 134		
Pyridine	0.010	U	0.160	0.0264		mg/L		16	13 - 71		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234432-K-3-A MS
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.010	U	0.0800	0.0552		mg/L		69	48 - 88
Hexachlorobenzene	0.0010	U	0.0800	0.0728		mg/L		91	61 - 117
Hexachlorobutadiene	0.0020	U	0.0800	0.0586		mg/L		73	10 - 133
Hexachloroethane	0.0020	U	0.0800	0.0562		mg/L		70	17 - 115
Nitrobenzene	0.0010	U	0.0800	0.0851		mg/L		106	71 - 116
Pentachlorophenol	0.030	U	0.160	0.175		mg/L		109	54 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*106*		*33 - 150*
2-Fluorobiphenyl	*86*		*42 - 127*
2-Fluorophenol (Surr)	*42*		*18 - 72*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*
Phenol-d5 (Surr)	*31*		*10 - 50*
Terphenyl-d14 (Surr)	*85*		*39 - 150*

Lab Sample ID: LB 460-779033/1-C
Matrix: Solid
Analysis Batch: 779251

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779185

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 10:30	05/20/21 18:56	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 10:30	05/20/21 18:56	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 10:30	05/20/21 18:56	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 10:30	05/20/21 18:56	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 10:30	05/20/21 18:56	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 10:30	05/20/21 18:56	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 10:30	05/20/21 18:56	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 10:30	05/20/21 18:56	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 10:30	05/20/21 18:56	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 10:30	05/20/21 18:56	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 10:30	05/20/21 18:56	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 10:30	05/20/21 18:56	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*33 - 150*	*05/20/21 10:30*	*05/20/21 18:56*	*1*
2-Fluorobiphenyl	*90*		*42 - 127*	*05/20/21 10:30*	*05/20/21 18:56*	*1*
2-Fluorophenol (Surr)	*49*		*18 - 72*	*05/20/21 10:30*	*05/20/21 18:56*	*1*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*	*05/20/21 10:30*	*05/20/21 18:56*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*05/20/21 10:30*	*05/20/21 18:56*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 150*	*05/20/21 10:30*	*05/20/21 18:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-779000/1-A
Matrix: Solid
Analysis Batch: 779117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/19/21 17:09	05/20/21 08:35	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/19/21 17:09	05/20/21 08:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*10 - 150*	*05/19/21 17:09*	*05/20/21 08:35*	*1*
DCB Decachlorobiphenyl	*110*		*10 - 150*	*05/19/21 17:09*	*05/20/21 08:35*	*1*
Tetrachloro-m-xylene	*104*		*10 - 133*	*05/19/21 17:09*	*05/20/21 08:35*	*1*
Tetrachloro-m-xylene	*93*		*10 - 133*	*05/19/21 17:09*	*05/20/21 08:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-779000/2-A
Matrix: Solid
Analysis Batch: 779117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.148		mg/Kg		111	70 - 140
4,4'-DDD	0.133	0.138		mg/Kg		104	70 - 140
4,4'-DDE	0.133	0.154		mg/Kg		115	71 - 137
4,4'-DDE	0.133	0.139		mg/Kg		105	71 - 137
4,4'-DDT	0.133	0.117		mg/Kg		88	63 - 131
4,4'-DDT	0.133	0.135		mg/Kg		101	63 - 131
Aldrin	0.133	0.150		mg/Kg		113	74 - 140
Aldrin	0.133	0.134		mg/Kg		100	74 - 140
alpha-BHC	0.133	0.155		mg/Kg		117	72 - 142
alpha-BHC	0.133	0.142		mg/Kg		107	72 - 142
beta-BHC	0.133	0.152		mg/Kg		114	65 - 137
beta-BHC	0.133	0.143		mg/Kg		107	65 - 137
delta-BHC	0.133	0.157		mg/Kg		118	70 - 143
delta-BHC	0.133	0.143		mg/Kg		108	70 - 143
Dieldrin	0.133	0.152		mg/Kg		114	70 - 135
Dieldrin	0.133	0.142		mg/Kg		106	70 - 135
Endosulfan I	0.133	0.150		mg/Kg		113	68 - 135
Endosulfan I	0.133	0.142		mg/Kg		107	68 - 135
Endosulfan II	0.133	0.161		mg/Kg		120	64 - 130
Endosulfan II	0.133	0.151		mg/Kg		113	64 - 130
Endosulfan sulfate	0.133	0.154		mg/Kg		116	66 - 143
Endosulfan sulfate	0.133	0.134		mg/Kg		100	66 - 143
Endrin	0.133	0.148		mg/Kg		111	68 - 136
Endrin	0.133	0.141		mg/Kg		106	68 - 136
Endrin aldehyde	0.133	0.145		mg/Kg		109	68 - 132
Endrin aldehyde	0.133	0.135		mg/Kg		101	68 - 132
Endrin ketone	0.133	0.140		mg/Kg		105	60 - 150
Endrin ketone	0.133	0.136		mg/Kg		102	60 - 150
gamma-BHC (Lindane)	0.133	0.155		mg/Kg		116	70 - 134
gamma-BHC (Lindane)	0.133	0.142		mg/Kg		106	70 - 134
Heptachlor	0.133	0.148		mg/Kg		111	69 - 134
Heptachlor	0.133	0.136		mg/Kg		102	69 - 134
Heptachlor epoxide	0.133	0.151		mg/Kg		113	70 - 135
Heptachlor epoxide	0.133	0.135		mg/Kg		101	70 - 135
Methoxychlor	0.133	0.112		mg/Kg		84	57 - 135
Methoxychlor	0.133	0.113		mg/Kg		85	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*104*		*10 - 150*
DCB Decachlorobiphenyl	*99*		*10 - 150*
Tetrachloro-m-xylene	*99*		*10 - 133*
Tetrachloro-m-xylene	*91*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-779000/3-A
Matrix: Solid
Analysis Batch: 779117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779000

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.145		mg/Kg		109	70 - 140	2	30
4,4'-DDD			0.133	0.133		mg/Kg		100	70 - 140	4	30
4,4'-DDE			0.133	0.151		mg/Kg		113	71 - 137	2	30
4,4'-DDE			0.133	0.134		mg/Kg		101	71 - 137	4	30
4,4'-DDT			0.133	0.120		mg/Kg		90	63 - 131	2	30
4,4'-DDT			0.133	0.132		mg/Kg		99	63 - 131	2	30
Aldrin			0.133	0.147		mg/Kg		110	74 - 140	2	30
Aldrin			0.133	0.129		mg/Kg		97	74 - 140	3	30
alpha-BHC			0.133	0.152		mg/Kg		114	72 - 142	2	30
alpha-BHC			0.133	0.139		mg/Kg		104	72 - 142	2	30
beta-BHC			0.133	0.149		mg/Kg		112	65 - 137	2	30
beta-BHC			0.133	0.140		mg/Kg		105	65 - 137	2	30
delta-BHC			0.133	0.153		mg/Kg		115	70 - 143	2	30
delta-BHC			0.133	0.140		mg/Kg		105	70 - 143	2	30
Dieldrin			0.133	0.150		mg/Kg		112	70 - 135	2	30
Dieldrin			0.133	0.136		mg/Kg		102	70 - 135	4	30
Endosulfan I			0.133	0.148		mg/Kg		111	68 - 135	1	30
Endosulfan I			0.133	0.136		mg/Kg		102	68 - 135	4	30
Endosulfan II			0.133	0.158		mg/Kg		119	64 - 130	2	30
Endosulfan II			0.133	0.146		mg/Kg		109	64 - 130	3	30
Endosulfan sulfate			0.133	0.153		mg/Kg		114	66 - 143	1	30
Endosulfan sulfate			0.133	0.130		mg/Kg		98	66 - 143	3	30
Endrin			0.133	0.147		mg/Kg		110	68 - 136	1	30
Endrin			0.133	0.137		mg/Kg		103	68 - 136	3	30
Endrin aldehyde			0.133	0.144		mg/Kg		108	68 - 132	1	30
Endrin aldehyde			0.133	0.131		mg/Kg		98	68 - 132	3	30
Endrin ketone			0.133	0.140		mg/Kg		105	60 - 150	0	30
Endrin ketone			0.133	0.132		mg/Kg		99	60 - 150	3	30
gamma-BHC (Lindane)			0.133	0.152		mg/Kg		114	70 - 134	2	30
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	70 - 134	2	30
Heptachlor			0.133	0.146		mg/Kg		109	69 - 134	1	30
Heptachlor			0.133	0.133		mg/Kg		100	69 - 134	2	30
Heptachlor epoxide			0.133	0.148		mg/Kg		111	70 - 135	2	30
Heptachlor epoxide			0.133	0.131		mg/Kg		98	70 - 135	3	30
Methoxychlor			0.133	0.113		mg/Kg		85	57 - 135	2	30
Methoxychlor			0.133	0.115		mg/Kg		86	57 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*10 - 150*
DCB Decachlorobiphenyl	*96*		*10 - 150*
Tetrachloro-m-xylene	*102*		*10 - 133*
Tetrachloro-m-xylene	*90*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779117

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0075	U	0.149	0.149		mg/Kg	☼	100	70 - 140
4,4'-DDD	0.0075	U	0.149	0.148		mg/Kg	☼	100	70 - 140
4,4'-DDE	0.0075	U	0.149	0.164		mg/Kg	☼	111	71 - 137
4,4'-DDE	0.0075	U	0.149	0.148		mg/Kg	☼	100	71 - 137
4,4'-DDT	0.0075	U	0.149	0.193		mg/Kg	☼	130	63 - 131
4,4'-DDT	0.0075	U	0.149	0.158		mg/Kg	☼	106	63 - 131
Aldrin	0.0075	U	0.149	0.160		mg/Kg	☼	107	74 - 140
Aldrin	0.0075	U	0.149	0.141		mg/Kg	☼	95	74 - 140
alpha-BHC	0.0022	U	0.149	0.153		mg/Kg	☼	103	72 - 142
alpha-BHC	0.0022	U	0.149	0.145		mg/Kg	☼	97	72 - 142
beta-BHC	0.0022	U	0.149	0.155		mg/Kg	☼	104	65 - 137
beta-BHC	0.0022	U	0.149	0.150		mg/Kg	☼	101	65 - 137
delta-BHC	0.0022	U	0.149	0.151		mg/Kg	☼	101	70 - 143
delta-BHC	0.0022	U	0.149	0.140		mg/Kg	☼	95	70 - 143
Dieldrin	0.0022	U	0.149	0.176		mg/Kg	☼	118	70 - 135
Dieldrin	0.0022	U	0.149	0.162		mg/Kg	☼	109	70 - 135
Endosulfan I	0.0075	U	0.149	0.153		mg/Kg	☼	103	68 - 135
Endosulfan I	0.0075	U	0.149	0.143		mg/Kg	☼	96	68 - 135
Endosulfan II	0.0075	U	0.149	0.169		mg/Kg	☼	114	64 - 130
Endosulfan II	0.0075	U	0.149	0.148		mg/Kg	☼	100	64 - 130
Endosulfan sulfate	0.0075	U	0.149	0.147		mg/Kg	☼	99	66 - 143
Endosulfan sulfate	0.0075	U	0.149	0.106		mg/Kg	☼	72	66 - 143
Endrin	0.0075	U	0.149	0.154		mg/Kg	☼	104	68 - 136
Endrin	0.0075	U	0.149	0.149		mg/Kg	☼	100	68 - 136
Endrin aldehyde	0.0075	U	0.149	0.132		mg/Kg	☼	89	68 - 132
Endrin aldehyde	0.0075	U	0.149	0.105		mg/Kg	☼	70	68 - 132
Endrin ketone	0.0075	U	0.149	0.128		mg/Kg	☼	86	60 - 150
Endrin ketone	0.0075	U	0.149	0.150		mg/Kg	☼	101	60 - 150
gamma-BHC (Lindane)	0.0022	U	0.149	0.155		mg/Kg	☼	104	70 - 134
gamma-BHC (Lindane)	0.0022	U	0.149	0.144		mg/Kg	☼	97	70 - 134
Heptachlor	0.0075	U	0.149	0.154		mg/Kg	☼	104	69 - 134
Heptachlor	0.0075	U	0.149	0.144		mg/Kg	☼	97	69 - 134
Heptachlor epoxide	0.0075	U	0.149	0.158		mg/Kg	☼	107	70 - 135
Heptachlor epoxide	0.0075	U	0.149	0.140		mg/Kg	☼	95	70 - 135
Methoxychlor	0.0075	U	0.149	0.123		mg/Kg	☼	83	57 - 135
Methoxychlor	0.0075	U	0.149	0.126		mg/Kg	☼	85	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*10 - 150*
DCB Decachlorobiphenyl	*100*		*10 - 150*
Tetrachloro-m-xylene	*75*		*10 - 133*
Tetrachloro-m-xylene	*75*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234565-1 MSD
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779117
Prep Batch: 779000

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0075	U	0.149	0.121		mg/Kg	☼	82	70 - 140	21	30
4,4'-DDD	0.0075	U	0.149	0.125		mg/Kg	☼	84	70 - 140	17	30
4,4'-DDE	0.0075	U	0.149	0.132		mg/Kg	☼	89	71 - 137	22	30
4,4'-DDE	0.0075	U	0.149	0.119		mg/Kg	☼	80	71 - 137	22	30
4,4'-DDT	0.0075	U	0.149	0.148		mg/Kg	☼	100	63 - 131	27	30
4,4'-DDT	0.0075	U	0.149	0.137		mg/Kg	☼	92	63 - 131	14	30
Aldrin	0.0075	U	0.149	0.129		mg/Kg	☼	87	74 - 140	22	30
Aldrin	0.0075	U	0.149	0.117		mg/Kg	☼	79	74 - 140	19	30
alpha-BHC	0.0022	U	0.149	0.124		mg/Kg	☼	83	72 - 142	21	30
alpha-BHC	0.0022	U	0.149	0.120		mg/Kg	☼	80	72 - 142	19	30
beta-BHC	0.0022	U	0.149	0.125		mg/Kg	☼	84	65 - 137	22	30
beta-BHC	0.0022	U	0.149	0.123		mg/Kg	☼	83	65 - 137	20	30
delta-BHC	0.0022	U	0.149	0.121		mg/Kg	☼	82	70 - 143	22	30
delta-BHC	0.0022	U	0.149	0.115		mg/Kg	☼	78	70 - 143	20	30
Dieldrin	0.0022	U	0.149	0.140		mg/Kg	☼	94	70 - 135	23	30
Dieldrin	0.0022	U	0.149	0.132		mg/Kg	☼	89	70 - 135	21	30
Endosulfan I	0.0075	U	0.149	0.124		mg/Kg	☼	83	68 - 135	21	30
Endosulfan I	0.0075	U	0.149	0.119		mg/Kg	☼	80	68 - 135	18	30
Endosulfan II	0.0075	U	0.149	0.143		mg/Kg	☼	96	64 - 130	17	30
Endosulfan II	0.0075	U	0.149	0.126		mg/Kg	☼	85	64 - 130	16	30
Endosulfan sulfate	0.0075	U	0.149	0.106	*	mg/Kg	☼	72	66 - 143	32	30
Endosulfan sulfate	0.0075	U	0.149	0.0838	*	mg/Kg	☼	56	66 - 143	24	30
Endrin	0.0075	U	0.149	0.125		mg/Kg	☼	84	68 - 136	21	30
Endrin	0.0075	U	0.149	0.126		mg/Kg	☼	85	68 - 136	17	30
Endrin aldehyde	0.0075	U	0.149	0.0962	*	mg/Kg	☼	65	68 - 132	32	30
Endrin aldehyde	0.0075	U	0.149	0.0869	*	mg/Kg	☼	59	68 - 132	18	30
Endrin ketone	0.0075	U	0.149	0.0981		mg/Kg	☼	66	60 - 150	26	30
Endrin ketone	0.0075	U	0.149	0.121		mg/Kg	☼	81	60 - 150	21	30
gamma-BHC (Lindane)	0.0022	U	0.149	0.126		mg/Kg	☼	85	70 - 134	21	30
gamma-BHC (Lindane)	0.0022	U	0.149	0.119		mg/Kg	☼	80	70 - 134	19	30
Heptachlor	0.0075	U	0.149	0.125		mg/Kg	☼	84	69 - 134	21	30
Heptachlor	0.0075	U	0.149	0.118		mg/Kg	☼	80	69 - 134	19	30
Heptachlor epoxide	0.0075	U	0.149	0.128		mg/Kg	☼	86	70 - 135	21	30
Heptachlor epoxide	0.0075	U	0.149	0.116		mg/Kg	☼	78	70 - 135	19	30
Methoxychlor	0.0075	U	0.149	0.0901	*	mg/Kg	☼	61	57 - 135	31	30
Methoxychlor	0.0075	U	0.149	0.113		mg/Kg	☼	76	57 - 135	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*86*		*10 - 150*
Tetrachloro-m-xylene	*61*		*10 - 133*
Tetrachloro-m-xylene	*60*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-779170/1-A
Matrix: Solid
Analysis Batch: 779332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:53	05/21/21 04:43	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:53	05/21/21 04:43	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:53	05/21/21 04:43	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:53	05/21/21 04:43	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:53	05/21/21 04:43	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:53	05/21/21 04:43	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:53	05/21/21 04:43	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:53	05/21/21 04:43	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:53	05/21/21 04:43	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:53	05/21/21 04:43	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:53	05/21/21 04:43	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:53	05/21/21 04:43	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:53	05/21/21 04:43	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:53	05/21/21 04:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*05/20/21 09:53*	*05/21/21 04:43*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*05/20/21 09:53*	*05/21/21 04:43*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/20/21 09:53*	*05/21/21 04:43*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/20/21 09:53*	*05/21/21 04:43*	*1*

Lab Sample ID: LCS 460-779170/2-A
Matrix: Solid
Analysis Batch: 779332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000751		mg/L		94	64 - 130
cis-Chlordane	0.000800	0.000783		mg/L		98	64 - 130
trans-Chlordane	0.000800	0.000754		mg/L		94	65 - 132
trans-Chlordane	0.000800	0.000794		mg/L		99	65 - 132
Endrin	0.000800	0.000801		mg/L		100	67 - 132
Endrin	0.000800	0.000852		mg/L		106	67 - 132
gamma-BHC (Lindane)	0.000800	0.000777		mg/L		97	65 - 134
gamma-BHC (Lindane)	0.000800	0.000796		mg/L		100	65 - 134
Heptachlor	0.000800	0.000765		mg/L		96	63 - 128
Heptachlor	0.000800	0.000810		mg/L		101	63 - 128
Heptachlor epoxide	0.000800	0.000754		mg/L		94	66 - 128
Heptachlor epoxide	0.000800	0.000798		mg/L		100	66 - 128
Methoxychlor	0.000800	0.000757		mg/L		95	42 - 151
Methoxychlor	0.000800	0.000831		mg/L		104	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-779170/3-A
Matrix: Solid
Analysis Batch: 779332

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779170

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000744		mg/L		93	64 - 130	1	30
cis-Chlordane			0.000800	0.000770		mg/L		96	64 - 130	2	30
trans-Chlordane			0.000800	0.000750		mg/L		94	65 - 132	0	30
trans-Chlordane			0.000800	0.000777		mg/L		97	65 - 132	2	30
Endrin			0.000800	0.000786		mg/L		98	67 - 132	2	30
Endrin			0.000800	0.000814		mg/L		102	67 - 132	5	30
gamma-BHC (Lindane)			0.000800	0.000748		mg/L		94	65 - 134	4	30
gamma-BHC (Lindane)			0.000800	0.000757		mg/L		95	65 - 134	5	30
Heptachlor			0.000800	0.000747		mg/L		93	63 - 128	2	30
Heptachlor			0.000800	0.000767		mg/L		96	63 - 128	5	30
Heptachlor epoxide			0.000800	0.000744		mg/L		93	66 - 128	1	30
Heptachlor epoxide			0.000800	0.000771		mg/L		96	66 - 128	3	30
Methoxychlor			0.000800	0.000731		mg/L		91	42 - 151	3	30
Methoxychlor			0.000800	0.000763		mg/L		95	42 - 151	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*
Tetrachloro-m-xylene	*91*		*10 - 150*

Lab Sample ID: LB 460-779033/1-B
Matrix: Solid
Analysis Batch: 779332

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779170

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/20/21 09:54	05/21/21 05:07	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:07	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/20/21 09:54	05/21/21 05:07	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/20/21 09:54	05/21/21 05:07	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/20/21 09:54	05/21/21 05:07	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/20/21 09:54	05/21/21 05:07	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/20/21 09:54	05/21/21 05:07	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:07*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:07*	*1*
Tetrachloro-m-xylene	*42*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:07*	*1*
Tetrachloro-m-xylene	*37*		*10 - 150*	*05/20/21 09:54*	*05/21/21 05:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-778999/1-A
Matrix: Solid
Analysis Batch: 779164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-778999/1-A
Matrix: Solid
Analysis Batch: 779164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/19/21 17:04	05/20/21 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/19/21 17:04*	*05/20/21 12:02*	*1*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*05/19/21 17:04*	*05/20/21 12:02*	*1*
Tetrachloro-m-xylene	*87*		*54 - 150*	*05/19/21 17:04*	*05/20/21 12:02*	*1*
Tetrachloro-m-xylene	*97*		*54 - 150*	*05/19/21 17:04*	*05/20/21 12:02*	*1*

Lab Sample ID: LCS 460-778999/2-A
Matrix: Solid
Analysis Batch: 779164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778999

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.276		mg/Kg		83	65 - 133		
Aroclor 1016			0.333	0.298		mg/Kg		89	65 - 133		
Aroclor 1260			0.333	0.297		mg/Kg		89	71 - 150		
Aroclor 1260			0.333	0.298		mg/Kg		90	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*37 - 150*
DCB Decachlorobiphenyl	*82*		*37 - 150*
Tetrachloro-m-xylene	*77*		*54 - 150*
Tetrachloro-m-xylene	*85*		*54 - 150*

Lab Sample ID: LCSD 460-778999/3-A
Matrix: Solid
Analysis Batch: 779164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778999

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.279		mg/Kg		84	65 - 133	1	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-778999/3-A
Matrix: Solid
Analysis Batch: 779164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778999

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.300		mg/Kg		90	65 - 133	1	30
Aroclor 1260			0.333	0.312		mg/Kg		94	71 - 150	4	30
Aroclor 1260			0.333	0.305		mg/Kg		92	71 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*37 - 150*
DCB Decachlorobiphenyl	*86*		*37 - 150*
Tetrachloro-m-xylene	*79*		*54 - 150*
Tetrachloro-m-xylene	*87*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-779056/1-A
Matrix: Solid
Analysis Batch: 779374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/19/21 23:50	05/21/21 07:53	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/19/21 23:50	05/21/21 07:53	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/19/21 23:50	05/21/21 07:53	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/19/21 23:50	05/21/21 07:53	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/19/21 23:50	05/21/21 07:53	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/19/21 23:50	05/21/21 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*65 - 150*	*05/19/21 23:50*	*05/21/21 07:53*	*1*
2,4-Dichlorophenylacetic acid	*87*		*65 - 150*	*05/19/21 23:50*	*05/21/21 07:53*	*1*

Lab Sample ID: LCS 460-779056/2-A
Matrix: Solid
Analysis Batch: 779374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779056

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T			0.0833	0.0630		mg/Kg		76	59 - 150
2,4,5-T			0.0833	0.0678		mg/Kg		81	59 - 150
2,4-D			0.333	0.248		mg/Kg		75	50 - 130
2,4-D			0.333	0.281		mg/Kg		84	50 - 130
Silvex (2,4,5-TP)			0.0833	0.0676		mg/Kg		81	58 - 150
Silvex (2,4,5-TP)			0.0833	0.0714		mg/Kg		86	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*96*		*65 - 150*
2,4-Dichlorophenylacetic acid	*96*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-779056/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779374
Prep Batch: 779056

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0598		mg/Kg		72	59 - 150	5	30
2,4,5-T			0.0833	0.0670		mg/Kg		80	59 - 150	1	30
2,4-D			0.333	0.246		mg/Kg		74	50 - 130	1	30
2,4-D			0.333	0.282		mg/Kg		85	50 - 130	0	30
Silvex (2,4,5-TP)			0.0833	0.0678		mg/Kg		81	58 - 150	0	30
Silvex (2,4,5-TP)			0.0833	0.0717		mg/Kg		86	58 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*98*		*65 - 150*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*

Lab Sample ID: 460-234565-1 MS
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779374
Prep Batch: 779056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.037	U	0.0928	0.0701		mg/Kg	☼	76	59 - 150
2,4,5-T	0.037	U	0.0928	0.0806		mg/Kg	☼	87	59 - 150
2,4-D	0.037	U	0.371	0.277		mg/Kg	☼	75	50 - 130
2,4-D	0.037	U	0.371	0.334		mg/Kg	☼	90	50 - 130
Silvex (2,4,5-TP)	0.037	U	0.0928	0.0748		mg/Kg	☼	81	58 - 150
Silvex (2,4,5-TP)	0.037	U	0.0928	0.0855		mg/Kg	☼	92	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*92*		*65 - 150*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*

Lab Sample ID: 460-234565-1 MSD
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779374
Prep Batch: 779056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.037	U	0.0928	0.0670		mg/Kg	☼	72	59 - 150	5	30
2,4,5-T	0.037	U	0.0928	0.0723		mg/Kg	☼	78	59 - 150	11	30
2,4-D	0.037	U	0.371	0.279		mg/Kg	☼	75	50 - 130	1	30
2,4-D	0.037	U	0.371	0.317		mg/Kg	☼	85	50 - 130	5	30
Silvex (2,4,5-TP)	0.037	U	0.0928	0.0726		mg/Kg	☼	78	58 - 150	3	30
Silvex (2,4,5-TP)	0.037	U	0.0928	0.0777		mg/Kg	☼	84	58 - 150	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-779322/1-A
Matrix: Solid
Analysis Batch: 779373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 07:19	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 07:19	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 07:19	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 07:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*28 - 150*	*05/20/21 23:54*	*05/21/21 07:19*	*1*
2,4-Dichlorophenylacetic acid	*88*		*28 - 150*	*05/20/21 23:54*	*05/21/21 07:19*	*1*

Lab Sample ID: LCS 460-779322/2-A
Matrix: Solid
Analysis Batch: 779373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0950	*	mg/L		142	36 - 139
2,4-D	0.0667	0.0975	*	mg/L		146	36 - 139
Silvex (2,4,5-TP)	0.0167	0.0220	J	mg/L		132	42 - 150
Silvex (2,4,5-TP)	0.0167	0.0260	J *	mg/L		156	42 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*95*		*28 - 150*
2,4-Dichlorophenylacetic acid	*99*		*28 - 150*

Lab Sample ID: LCSD 460-779322/3-A
Matrix: Solid
Analysis Batch: 779373

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779322

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0667	0.0855		mg/L		128	36 - 139	11	30
2,4-D	0.0667	0.0954	*	mg/L		143	36 - 139	2	30
Silvex (2,4,5-TP)	0.0167	0.0215	J	mg/L		129	42 - 150	3	30
Silvex (2,4,5-TP)	0.0167	0.0261	J *	mg/L		157	42 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*95*		*28 - 150*
2,4-Dichlorophenylacetic acid	*98*		*28 - 150*

Lab Sample ID: LB 460-779033/1-H
Matrix: Solid
Analysis Batch: 779373

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779322

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/20/21 23:54	05/21/21 10:14	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/20/21 23:54	05/21/21 10:14	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*69*		*28 - 150*	*05/20/21 23:54*	*05/21/21 10:14*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-779033/1-H
Matrix: Solid
Analysis Batch: 779373

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779322

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		28 - 150	05/20/21 23:54	05/21/21 10:14	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-778890/1-A
Matrix: Solid
Analysis Batch: 779095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778890

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/19/21 10:22	05/20/21 07:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	118		40 - 140	05/19/21 10:22	05/20/21 07:17	1
1-Chlorooctadecane	136		40 - 140	05/19/21 10:22	05/20/21 07:17	1

Lab Sample ID: LCS 460-778890/2-A
Matrix: Solid
Analysis Batch: 779095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778890

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	157		mg/Kg		118	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	111		40 - 140
1-Chlorooctadecane	178	*	40 - 140

Lab Sample ID: LCSD 460-778890/3-A
Matrix: Solid
Analysis Batch: 779095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 778890

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	148		mg/Kg		111	40 - 140	6	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	112		40 - 140
1-Chlorooctadecane	182	*	40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-779286/1-A
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/20/21 17:15	05/21/21 12:46	1
Barium	0.20	U	0.20	0.013	mg/L		05/20/21 17:15	05/21/21 12:46	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/20/21 17:15	05/21/21 12:46	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/20/21 17:15	05/21/21 12:46	1

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

Lab Sample ID: MB 460-779286/1-A
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.010	U	0.010	0.0024	mg/L		05/20/21 17:15	05/21/21 12:46	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/20/21 17:15	05/21/21 12:46	1
Silver	0.010	U	0.010	0.0058	mg/L		05/20/21 17:15	05/21/21 12:46	1

Lab Sample ID: LCS 460-779286/2-A ^2
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.07		mg/L		101	80 - 120
Barium	10.0	10.57		mg/L		106	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.18		mg/L		104	80 - 120
Lead	5.00	5.34		mg/L		107	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.500	0.489		mg/L		98	80 - 120

Lab Sample ID: LB 460-778488/1-F ^5
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779286

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 14:12	5
Barium	1.0	U	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 14:12	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 14:12	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 14:12	5
Lead	0.050	U	0.050	0.012	mg/L		05/20/21 17:15	05/21/21 14:12	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 14:12	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 14:12	5

Lab Sample ID: LB 460-779033/1-G ^5
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779286

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/20/21 17:15	05/21/21 14:32	5
Barium	1.0	U	1.0	0.066	mg/L		05/20/21 17:15	05/21/21 14:32	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/20/21 17:15	05/21/21 14:32	5
Chromium	0.050	U	0.050	0.025	mg/L		05/20/21 17:15	05/21/21 14:32	5
Lead	0.050	U	0.050	0.012	mg/L		05/20/21 17:15	05/21/21 14:32	5
Selenium	0.10	U	0.10	0.029	mg/L		05/20/21 17:15	05/21/21 14:32	5
Silver	0.050	U	0.050	0.029	mg/L		05/20/21 17:15	05/21/21 14:32	5

Lab Sample ID: 460-234374-A-2-I MS
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 779286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.23		mg/L		105	75 - 125
Barium	0.71	J	10.0	11.02		mg/L		103	75 - 125

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

Lab Sample ID: 460-234374-A-2-I MS
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 779286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0049	J	1.00	1.06		mg/L		106	75 - 125
Chromium	0.050	U	5.00	5.16		mg/L		103	75 - 125
Lead	0.15		5.00	5.26		mg/L		102	75 - 125
Selenium	0.10	U	1.00	1.05		mg/L		105	75 - 125
Silver	0.050	U	0.500	0.511		mg/L		102	75 - 125

Lab Sample ID: 460-234374-A-2-H DU
Matrix: Solid
Analysis Batch: 779466

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 779286

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.71	J	0.708	J	mg/L		0.1	20
Cadmium	0.0049	J	0.00483	J	mg/L		1	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.15		0.149		mg/L		0.2	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-779311/1-A
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Calcium	100	U	100	17.0	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Magnesium	100	U	100	10.2	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Potassium	100	U	100	11.2	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Sodium	100	U	100	15.6	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/20/21 21:25	05/21/21 09:30	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/20/21 21:25	05/21/21 09:30	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-779311/2-A ^5
Matrix: Solid
Analysis Batch: 779404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779311

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6420		mg/Kg		79.0	48.2 - 151.3
Antimony	134	75.21		mg/Kg		56.1	3.4 - 197.0
Arsenic	156	144.5		mg/Kg		92.6	82.7 - 117.3
Barium	239	219.0		mg/Kg		91.6	82.4 - 117.2
Beryllium	169	166.6		mg/Kg		98.6	83.4 - 117.2
Cadmium	137	139.1		mg/Kg		101.6	82.5 - 116.8
Calcium	4760	4201		mg/Kg		88.3	81.7 - 118.5
Chromium	154	141.8		mg/Kg		92.1	81.8 - 117.5
Cobalt	121	124.4		mg/Kg		102.8	83.5 - 116.5
Copper	54.9	50.13		mg/Kg		91.3	84.0 - 115.8
Iron	14100	11000		mg/Kg		78.0	60.1 - 139.7
Lead	130	110.5		mg/Kg		85.0	82.3 - 116.9
Magnesium	2320	2074		mg/Kg		89.4	75.9 - 124.1
Manganese	269	246.9		mg/Kg		91.8	82.2 - 117.8
Nickel	53.9	55.35		mg/Kg		102.7	82.6 - 117.4
Potassium	2020	1701		mg/Kg		84.2	69.8 - 130.2
Selenium	167	158.6		mg/Kg		94.9	79.0 - 120.4
Silver	33.6	28.20		mg/Kg		83.9	79.8 - 119.9
Sodium	133	128.9	J	mg/Kg		96.9	71.5 - 128.6
Thallium	112	105.1		mg/Kg		93.9	80.6 - 118.8
Vanadium	62.6	54.39		mg/Kg		86.9	78.9 - 121.1
Zinc	158	139.9		mg/Kg		88.6	81.0 - 119.0

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-779219/1-A
Matrix: Solid
Analysis Batch: 779264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:12	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-779219/2-A
Matrix: Solid
Analysis Batch: 779264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00452		mg/L		90	80 - 120

Lab Sample ID: LB 460-779033/1-F
Matrix: Solid
Analysis Batch: 779264

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779219

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/20/21 13:22	05/20/21 14:55	1

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779264

Client Sample ID: WC-14 (0-5)
Prep Type: TCLP
Prep Batch: 779219

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00482		mg/L		96	75 - 125

Lab Sample ID: 460-234565-1 DU
Matrix: Solid
Analysis Batch: 779264

Client Sample ID: WC-14 (0-5)
Prep Type: TCLP
Prep Batch: 779219

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.0000962	J	mg/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-778809/1-A
Matrix: Solid
Analysis Batch: 778892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 778809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/19/21 04:03	05/19/21 09:25	1

Lab Sample ID: LCSSRM 460-778809/2-A ^40
Matrix: Solid
Analysis Batch: 778892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 778809

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	19.64		mg/Kg		95.8	71.7 - 128.3

Lab Sample ID: 460-234565-4 MS
Matrix: Solid
Analysis Batch: 778892

Client Sample ID: WC-14_WC-15 (5-10)
Prep Type: Total/NA
Prep Batch: 778809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.011	J	0.0845	0.0874		mg/Kg	☼	91	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-234565-4 DU — **Client Sample ID: WC-14_WC-15 (5-10)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 778892 — **Prep Batch: 778809**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.011	J		0.0135	J	mg/Kg	☼			24	20

Lab Sample ID: MB 460-779069/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779196 — **Prep Batch: 779069**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/20/21 03:21	05/20/21 07:15	1

Lab Sample ID: LCSSRM 460-779069/11-A ^40 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779196 — **Prep Batch: 779069**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.64		mg/Kg		100.7	71.7 - 128.3		

Lab Sample ID: 460-234047-A-4-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779196 — **Prep Batch: 779069**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.062		0.0832	0.144		mg/Kg	☼	98	80 - 120		

Lab Sample ID: 460-234047-A-4-E DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779196 — **Prep Batch: 779069**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.062			0.0639		mg/Kg	☼			3	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-234565-1 DU — **Client Sample ID: WC-14 (0-5)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779467

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-130554/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 130554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/25/21 16:48	1

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 410-130554/2
Matrix: Solid
Analysis Batch: 130554

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM			40.0	33.00		mg/L		83	78 - 114		

Lab Sample ID: LCSD 410-130554/3
Matrix: Solid
Analysis Batch: 130554

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM			40.0	34.80		mg/L		87	78 - 114	5	13

Lab Sample ID: 410-40445-G-1 MS
Matrix: Solid
Analysis Batch: 130554

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM	5.9	U	47.6	40.60		mg/L		85	78 - 114		

Lab Sample ID: MB 410-131085/1
Matrix: Solid
Analysis Batch: 131085

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/26/21 16:43	1

Lab Sample ID: LCS 410-131085/2
Matrix: Solid
Analysis Batch: 131085

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM			40.0	32.50		mg/L		81	78 - 114		

Lab Sample ID: LCSD 410-131085/3
Matrix: Solid
Analysis Batch: 131085

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM			40.0	33.70		mg/L		84	78 - 114	4	13

Lab Sample ID: 460-234405-G-1 MS
Matrix: Solid
Analysis Batch: 131085

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM	2.0	J	42.1	37.68		mg/L		85	78 - 114		

Lab Sample ID: 460-234405-G-1 MSD
Matrix: Solid
Analysis Batch: 131085

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	2.0	J	43.5	36.96		mg/L		80	78 - 114	2	43

Method: 410.4 - COD

Lab Sample ID: MB 460-779298/4
Matrix: Solid
Analysis Batch: 779298

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1

Lab Sample ID: LCSSRM 460-779298/5
Matrix: Solid
Analysis Batch: 779298

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	106.7		mg/Kg		103.6	76.6 - 120.4		

Lab Sample ID: MRL 460-779298/3
Matrix: Solid
Analysis Batch: 779298

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	12.49		mg/L		125			

Lab Sample ID: 460-234231-C-1 MS
Matrix: Solid
Analysis Batch: 779298

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	40.6		50.0	79.92	N	mg/Kg		79	90 - 110		

Lab Sample ID: 460-234231-C-1 MSD
Matrix: Solid
Analysis Batch: 779298

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	40.6		50.0	77.98	N	mg/Kg		75	90 - 110	2	10

Lab Sample ID: LB 460-779012/1-A
Matrix: Solid
Analysis Batch: 779298

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/20/21 19:45	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-779811/44
Matrix: Solid
Analysis Batch: 779811

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:30	1

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: LCS 460-779811/45
Matrix: Solid
Analysis Batch: 779811

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.05		mg/L		103	89 - 113

Lab Sample ID: MRL 460-779811/12
Matrix: Solid
Analysis Batch: 779811

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.100	0.110		mg/L		110	50 - 150

Lab Sample ID: LB 460-779012/1-A
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:29	1

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: WC-14 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.09		mg/L		105	89 - 113

Lab Sample ID: 460-234565-1 MSD
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: WC-14 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.07		mg/L		104	89 - 113	1	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-130552/1-A
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		05/25/21 16:45	05/25/21 22:36	1

Lab Sample ID: LCS 410-130552/2-A
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	5.07		mg/Kg		101	80 - 120

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 410-130552/3-A
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130552

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	894	773.4		mg/Kg		87	80 - 120

Lab Sample ID: 460-234565-4 MSI
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: WC-14_WC-15 (5-10)
Prep Type: Total/NA
Prep Batch: 130552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.46	U	988	824.2		mg/Kg	☼	83	75 - 125

Lab Sample ID: 460-234565-4 MSS
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: WC-14_WC-15 (5-10)
Prep Type: Total/NA
Prep Batch: 130552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.46	U	42.8	39.33		mg/Kg	☼	92	75 - 125

Lab Sample ID: 460-234565-4 DU
Matrix: Solid
Analysis Batch: 130680

Client Sample ID: WC-14_WC-15 (5-10)
Prep Type: Total/NA
Prep Batch: 130552

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.46	U	0.43	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-779384/2-A
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/21/21 08:01	05/21/21 11:33	1

Lab Sample ID: LCSSRM 460-779384/3-A ^20
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	60.96		mg/Kg		64.6	29.4 - 117.7

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.44		5.35	6.34	N	mg/Kg	☼	110	11 - 108

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-234565-1 MSD
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.44		5.35	6.23		mg/Kg	☼	108	11 - 108	2	40

Lab Sample ID: 460-234565-6 MS
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: WC-16_WC-17 (5-10)
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.26	U	5.15	5.77	N	mg/Kg	☼	112	11 - 108

Lab Sample ID: 460-234565-6 MSD
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: WC-16_WC-17 (5-10)
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.26	U	5.15	6.44	N	mg/Kg	☼	125	11 - 108	11	40

Lab Sample ID: 460-233066-A-3-B DU ^20
Matrix: Solid
Analysis Batch: 779462

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779384

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	106		103.7		mg/Kg		2	

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-779495/1-A
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779495

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1

Lab Sample ID: LCS 460-779495/2-A
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-234565-1 DU
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779495

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-779494/1-A
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779494

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1

Lab Sample ID: LCSSRM 460-779494/3-A
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	62.52		mg/Kg		99.9	44.9 - 144.2

Lab Sample ID: 460-234565-1 MS
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	458	372.7		mg/Kg		81	64 - 136

Lab Sample ID: 460-234565-1 MSD
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: WC-14 (0-5)
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	458	365.2		mg/Kg		80	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-779447/2
Matrix: Solid
Analysis Batch: 779447

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.7				SU			05/21/21 13:16	1
Corrosivity	6.7				SU			05/21/21 13:16	1

Lab Sample ID: LCSSRM 460-779447/3
Matrix: Solid
Analysis Batch: 779447

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	8.31	8.2		SU		98.6	97.6 - 102.4
Corrosivity	8.31	8.2		SU		98.6	97.6 - 102.4

Lab Sample ID: 460-234565-4 DU
Matrix: Solid
Analysis Batch: 779447

Client Sample ID: WC-14_WC-15 (5-10)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.8	HF	8.8		SU		0.7	10
Corrosivity	8.8	HF	8.8		SU		0.7	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-129578/1-A
Matrix: Solid
Analysis Batch: 129961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		05/23/21 10:15	05/24/21 13:17	1

Lab Sample ID: LCS 410-129578/2-A
Matrix: Solid
Analysis Batch: 129961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	4983		mg/Kg		100	91 - 111

Lab Sample ID: 180-121677-D-1-B MS
Matrix: Solid
Analysis Batch: 129961

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	653	U	5410	5053		mg/Kg	☼	93	91 - 111

Lab Sample ID: 180-121677-D-1-C MSD
Matrix: Solid
Analysis Batch: 129961

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	653	U	5420	5264		mg/Kg	☼	97	91 - 111	4	26

Lab Sample ID: 180-121677-D-1-D DU
Matrix: Solid
Analysis Batch: 129961

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 129578

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	653	U	648	U	mg/Kg	☼	NC	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-234046-G-1 DU
Matrix: Solid
Analysis Batch: 779189

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-234565-11 DU
Matrix: Solid
Analysis Batch: 778859

Client Sample ID: WC-17A (0-2)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.8		6.6		%		3	20
Percent Solids	93.2		93.4		%		0.2	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-779233/1
Matrix: Solid
Analysis Batch: 779233

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/20/21 14:44	1

Lab Sample ID: LCSSRM 460-779233/2
Matrix: Solid
Analysis Batch: 779233

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	753.0		mg/L		99.6	89.9 - 110.1

Lab Sample ID: MRL 460-779233/3
Matrix: Solid
Analysis Batch: 779233

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		119	50 - 150

Lab Sample ID: LB 460-779012/1-A
Matrix: Solid
Analysis Batch: 779233

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/20/21 14:44	1

Lab Sample ID: 460-234565-1 DU
Matrix: Solid
Analysis Batch: 779233

Client Sample ID: WC-14 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	87.0		89.00		mg/L		2	5

Lab Sample ID: 460-234565-16 DU
Matrix: Solid
Analysis Batch: 779233

Client Sample ID: WC-18_WC-19 (5-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	110		10.0	U	mg/L		NC	5

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-778864/1
Matrix: Solid
Analysis Batch: 778864

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/19/21 08:57	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/19/21 08:57	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: 460-234565-1 DU
Client Sample ID: WC-14 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 778864

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	91.1	B		91.06		%				0.08	5
Total Volatile Solids	2.6			2.31	*	%				12	5

GC/MS VOA

Prep Batch: 778764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-7	WC-15C (0-2)	Total/NA	Solid	5035	
460-234565-8	WC-15B (8-10)	Total/NA	Solid	5035	
460-234565-9	WC-16A (0-2)	Total/NA	Solid	5035	
460-234565-10	WC-17D (5-7)	Total/NA	Solid	5035	
460-234565-11	WC-17A (0-2)	Total/NA	Solid	5035	
460-234565-12	WC-19B (6-8)	Total/NA	Solid	5035	
460-234565-13	WC-18A (10-12)	Total/NA	Solid	5035	
460-234565-14	WC-30B (3-5)	Total/NA	Solid	5035	
460-234565-19	WC-27A (0-2)	Total/NA	Solid	5035	
LB3 460-778764/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 778839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-7	WC-15C (0-2)	TCLP	Solid	1311	
460-234565-8	WC-15B (8-10)	TCLP	Solid	1311	
460-234565-9	WC-16A (0-2)	TCLP	Solid	1311	
460-234565-10	WC-17D (5-7)	TCLP	Solid	1311	
460-234565-11	WC-17A (0-2)	TCLP	Solid	1311	
460-234565-12	WC-19B (6-8)	TCLP	Solid	1311	
460-234565-13	WC-18A (10-12)	TCLP	Solid	1311	
460-234565-14	WC-30B (3-5)	TCLP	Solid	1311	
460-234565-19	WC-27A (0-2)	TCLP	Solid	1311	
LB 460-778839/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 779070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-7	WC-15C (0-2)	Total/NA	Solid	8260D	778764
460-234565-8	WC-15B (8-10)	Total/NA	Solid	8260D	778764
460-234565-9	WC-16A (0-2)	Total/NA	Solid	8260D	778764
460-234565-10	WC-17D (5-7)	Total/NA	Solid	8260D	778764
460-234565-11	WC-17A (0-2)	Total/NA	Solid	8260D	778764
460-234565-12	WC-19B (6-8)	Total/NA	Solid	8260D	778764
460-234565-13	WC-18A (10-12)	Total/NA	Solid	8260D	778764
460-234565-14	WC-30B (3-5)	Total/NA	Solid	8260D	778764
460-234565-19	WC-27A (0-2)	Total/NA	Solid	8260D	778764
LB3 460-778764/1-A	Method Blank	Total/NA	Solid	8260D	778764
MB 460-779070/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-779070/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779070/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 779127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-778839/1-A	Method Blank	TCLP	Solid	8260D	778839
MB 460-779127/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-779127/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779127/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 779132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-7	WC-15C (0-2)	TCLP	Solid	8260D	778839
460-234565-8	WC-15B (8-10)	TCLP	Solid	8260D	778839

GC/MS VOA (Continued)

Analysis Batch: 779132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-9	WC-16A (0-2)	TCLP	Solid	8260D	778839
460-234565-10	WC-17D (5-7)	TCLP	Solid	8260D	778839
460-234565-11	WC-17A (0-2)	TCLP	Solid	8260D	778839
460-234565-12	WC-19B (6-8)	TCLP	Solid	8260D	778839
460-234565-13	WC-18A (10-12)	TCLP	Solid	8260D	778839
460-234565-14	WC-30B (3-5)	TCLP	Solid	8260D	778839
460-234565-19	WC-27A (0-2)	TCLP	Solid	8260D	778839
MB 460-779132/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-779132/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779132/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 778896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3546	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3546	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3546	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3546	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3546	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3546	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3546	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3546	
460-234565-17 - DL	WC-18_WC-19 (10-18)	Total/NA	Solid	3546	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3546	
MB 460-778896/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778896/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778896/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	3546	

Analysis Batch: 779019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	8270E	778896
460-234565-2	WC-15 (0-5)	Total/NA	Solid	8270E	778896
460-234565-3	WC-16 (0-5)	Total/NA	Solid	8270E	778896
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	8270E	778896
460-234565-5	WC-17 (0-5)	Total/NA	Solid	8270E	778896
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	8270E	778896
460-234565-15	WC-30 (0-5)	Total/NA	Solid	8270E	778896
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	8270E	778896
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	8270E	778896
460-234565-17 - DL	WC-18_WC-19 (10-18)	Total/NA	Solid	8270E	778896
460-234565-18	WC-27 (0-5)	Total/NA	Solid	8270E	778896
MB 460-778896/1-A	Method Blank	Total/NA	Solid	8270E	778896
LCS 460-778896/2-A	Lab Control Sample	Total/NA	Solid	8270E	778896
LCSD 460-778896/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	778896
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	8270E	778896
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	8270E	778896

GC/MS Semi VOA

Leach Batch: 779033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	1311	
460-234565-2	WC-15 (0-5)	TCLP	Solid	1311	
460-234565-3	WC-16 (0-5)	TCLP	Solid	1311	
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	1311	
460-234565-5	WC-17 (0-5)	TCLP	Solid	1311	
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	1311	
460-234565-15	WC-30 (0-5)	TCLP	Solid	1311	
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	1311	
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	1311	
460-234565-18	WC-27 (0-5)	TCLP	Solid	1311	
LB 460-779033/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 779185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	3510C	779033
460-234565-2	WC-15 (0-5)	TCLP	Solid	3510C	779033
460-234565-3	WC-16 (0-5)	TCLP	Solid	3510C	779033
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	3510C	779033
460-234565-5	WC-17 (0-5)	TCLP	Solid	3510C	779033
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	3510C	779033
460-234565-15	WC-30 (0-5)	TCLP	Solid	3510C	779033
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	3510C	779033
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	3510C	779033
460-234565-18	WC-27 (0-5)	TCLP	Solid	3510C	779033
LB 460-779033/1-C	Method Blank	TCLP	Solid	3510C	779033
MB 460-779185/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779185/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779185/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
460-234432-K-3-A MS	Matrix Spike	Total/NA	Solid	3510C	

Analysis Batch: 779251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	8270E	779185
460-234565-2	WC-15 (0-5)	TCLP	Solid	8270E	779185
460-234565-3	WC-16 (0-5)	TCLP	Solid	8270E	779185
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	8270E	779185
460-234565-5	WC-17 (0-5)	TCLP	Solid	8270E	779185
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	8270E	779185
460-234565-15	WC-30 (0-5)	TCLP	Solid	8270E	779185
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	8270E	779185
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	8270E	779185
460-234565-18	WC-27 (0-5)	TCLP	Solid	8270E	779185
LB 460-779033/1-C	Method Blank	TCLP	Solid	8270E	779185
MB 460-779185/1-A	Method Blank	Total/NA	Solid	8270E	779185
LCS 460-779185/2-A	Lab Control Sample	Total/NA	Solid	8270E	779185
LCSD 460-779185/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	779185
460-234432-K-3-A MS	Matrix Spike	Total/NA	Solid	8270E	779185

GC Semi VOA

Prep Batch: 778890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3546	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3546	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3546	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3546	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3546	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3546	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3546	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3546	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3546	
MB 460-778890/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778890/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778890/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 778999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3546	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3546	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3546	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3546	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3546	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3546	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3546	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3546	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3546	
MB 460-778999/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-778999/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-778999/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 779000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3546	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3546	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3546	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3546	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3546	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3546	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3546	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3546	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3546	
MB 460-779000/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779000/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779000/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	3546	
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	3546	

Leach Batch: 779033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	1311	

GC Semi VOA (Continued)

Leach Batch: 779033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-2	WC-15 (0-5)	TCLP	Solid	1311	
460-234565-3	WC-16 (0-5)	TCLP	Solid	1311	
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	1311	
460-234565-5	WC-17 (0-5)	TCLP	Solid	1311	
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	1311	
460-234565-15	WC-30 (0-5)	TCLP	Solid	1311	
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	1311	
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	1311	
460-234565-18	WC-27 (0-5)	TCLP	Solid	1311	
LB 460-779033/1-B	Method Blank	TCLP	Solid	1311	
LB 460-779033/1-H	Method Blank	TCLP	Solid	1311	

Prep Batch: 779056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	8151A	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	8151A	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	8151A	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	8151A	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	8151A	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	8151A	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	8151A	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	8151A	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	8151A	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	8151A	
MB 460-779056/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779056/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779056/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	8151A	
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	8151A	

Analysis Batch: 779095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	NJDEP EPH	778890
460-234565-2	WC-15 (0-5)	Total/NA	Solid	NJDEP EPH	778890
460-234565-3	WC-16 (0-5)	Total/NA	Solid	NJDEP EPH	778890
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	NJDEP EPH	778890
460-234565-5	WC-17 (0-5)	Total/NA	Solid	NJDEP EPH	778890
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	NJDEP EPH	778890
460-234565-15	WC-30 (0-5)	Total/NA	Solid	NJDEP EPH	778890
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	NJDEP EPH	778890
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	NJDEP EPH	778890
460-234565-18	WC-27 (0-5)	Total/NA	Solid	NJDEP EPH	778890
MB 460-778890/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	778890
LCS 460-778890/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	778890
LCSD 460-778890/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	778890

Analysis Batch: 779117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	8081B	779000
460-234565-2	WC-15 (0-5)	Total/NA	Solid	8081B	779000
460-234565-3	WC-16 (0-5)	Total/NA	Solid	8081B	779000

GC Semi VOA (Continued)

Analysis Batch: 779117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	8081B	779000
460-234565-5	WC-17 (0-5)	Total/NA	Solid	8081B	779000
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	8081B	779000
460-234565-15	WC-30 (0-5)	Total/NA	Solid	8081B	779000
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	8081B	779000
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	8081B	779000
460-234565-18	WC-27 (0-5)	Total/NA	Solid	8081B	779000
MB 460-779000/1-A	Method Blank	Total/NA	Solid	8081B	779000
LCS 460-779000/2-A	Lab Control Sample	Total/NA	Solid	8081B	779000
LCSD 460-779000/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779000
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	8081B	779000
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	8081B	779000

Analysis Batch: 779164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	8082A	778999
460-234565-2	WC-15 (0-5)	Total/NA	Solid	8082A	778999
460-234565-3	WC-16 (0-5)	Total/NA	Solid	8082A	778999
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	8082A	778999
460-234565-5	WC-17 (0-5)	Total/NA	Solid	8082A	778999
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	8082A	778999
460-234565-15	WC-30 (0-5)	Total/NA	Solid	8082A	778999
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	8082A	778999
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	8082A	778999
460-234565-18	WC-27 (0-5)	Total/NA	Solid	8082A	778999
MB 460-778999/1-A	Method Blank	Total/NA	Solid	8082A	778999
LCS 460-778999/2-A	Lab Control Sample	Total/NA	Solid	8082A	778999
LCSD 460-778999/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	778999

Prep Batch: 779170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	3510C	779033
460-234565-2	WC-15 (0-5)	TCLP	Solid	3510C	779033
460-234565-3	WC-16 (0-5)	TCLP	Solid	3510C	779033
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	3510C	779033
460-234565-5	WC-17 (0-5)	TCLP	Solid	3510C	779033
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	3510C	779033
460-234565-15	WC-30 (0-5)	TCLP	Solid	3510C	779033
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	3510C	779033
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	3510C	779033
460-234565-18	WC-27 (0-5)	TCLP	Solid	3510C	779033
LB 460-779033/1-B	Method Blank	TCLP	Solid	3510C	779033
MB 460-779170/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779170/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779170/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 779322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	8151A	779033
460-234565-2	WC-15 (0-5)	TCLP	Solid	8151A	779033
460-234565-3	WC-16 (0-5)	TCLP	Solid	8151A	779033

GC Semi VOA (Continued)

Prep Batch: 779322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	8151A	779033
460-234565-5	WC-17 (0-5)	TCLP	Solid	8151A	779033
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	8151A	779033
460-234565-15	WC-30 (0-5)	TCLP	Solid	8151A	779033
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	8151A	779033
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	8151A	779033
460-234565-18	WC-27 (0-5)	TCLP	Solid	8151A	779033
LB 460-779033/1-H	Method Blank	TCLP	Solid	8151A	779033
MB 460-779322/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779322/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779322/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 779332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	8081B	779170
460-234565-2	WC-15 (0-5)	TCLP	Solid	8081B	779170
460-234565-3	WC-16 (0-5)	TCLP	Solid	8081B	779170
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	8081B	779170
460-234565-5	WC-17 (0-5)	TCLP	Solid	8081B	779170
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	8081B	779170
460-234565-15	WC-30 (0-5)	TCLP	Solid	8081B	779170
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	8081B	779170
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	8081B	779170
460-234565-18	WC-27 (0-5)	TCLP	Solid	8081B	779170
LB 460-779033/1-B	Method Blank	TCLP	Solid	8081B	779170
MB 460-779170/1-A	Method Blank	Total/NA	Solid	8081B	779170
LCS 460-779170/2-A	Lab Control Sample	Total/NA	Solid	8081B	779170
LCSD 460-779170/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779170

Analysis Batch: 779373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	8151A	779322
460-234565-2	WC-15 (0-5)	TCLP	Solid	8151A	779322
460-234565-3	WC-16 (0-5)	TCLP	Solid	8151A	779322
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	8151A	779322
460-234565-5	WC-17 (0-5)	TCLP	Solid	8151A	779322
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	8151A	779322
460-234565-15	WC-30 (0-5)	TCLP	Solid	8151A	779322
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	8151A	779322
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	8151A	779322
460-234565-18	WC-27 (0-5)	TCLP	Solid	8151A	779322
LB 460-779033/1-H	Method Blank	TCLP	Solid	8151A	779322
MB 460-779322/1-A	Method Blank	Total/NA	Solid	8151A	779322
LCS 460-779322/2-A	Lab Control Sample	Total/NA	Solid	8151A	779322
LCSD 460-779322/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779322

Analysis Batch: 779374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	8151A	779056
460-234565-2	WC-15 (0-5)	Total/NA	Solid	8151A	779056
460-234565-3	WC-16 (0-5)	Total/NA	Solid	8151A	779056

GC Semi VOA (Continued)

Analysis Batch: 779374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	8151A	779056
460-234565-5	WC-17 (0-5)	Total/NA	Solid	8151A	779056
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	8151A	779056
460-234565-15	WC-30 (0-5)	Total/NA	Solid	8151A	779056
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	8151A	779056
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	8151A	779056
460-234565-18	WC-27 (0-5)	Total/NA	Solid	8151A	779056
MB 460-779056/1-A	Method Blank	Total/NA	Solid	8151A	779056
LCS 460-779056/2-A	Lab Control Sample	Total/NA	Solid	8151A	779056
LCSD 460-779056/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779056
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	8151A	779056
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	8151A	779056

Metals

Leach Batch: 778488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-778488/1-F ^5	Method Blank	TCLP	Solid	1311	
460-234374-A-2-I MS	Matrix Spike	TCLP	Solid	1311	
460-234374-A-2-H DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 778809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7471B	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7471B	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7471B	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7471B	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7471B	
MB 460-778809/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-778809/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-234565-4 MS	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	
460-234565-4 DU	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	

Analysis Batch: 778892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7471B	778809
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7471B	778809
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7471B	778809
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	778809
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7471B	778809
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7471B	778809
MB 460-778809/1-A	Method Blank	Total/NA	Solid	7471B	778809
LCSSRM 460-778809/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	778809
460-234565-4 MS	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	778809
460-234565-4 DU	WC-14_WC-15 (5-10)	Total/NA	Solid	7471B	778809

Leach Batch: 779033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	1311	
460-234565-2	WC-15 (0-5)	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 779033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-3	WC-16 (0-5)	TCLP	Solid	1311	
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	1311	
460-234565-5	WC-17 (0-5)	TCLP	Solid	1311	
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	1311	
460-234565-15	WC-30 (0-5)	TCLP	Solid	1311	
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	1311	
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	1311	
460-234565-18	WC-27 (0-5)	TCLP	Solid	1311	
LB 460-779033/1-F	Method Blank	TCLP	Solid	1311	
LB 460-779033/1-G ^5	Method Blank	TCLP	Solid	1311	
460-234565-1 MS	WC-14 (0-5)	TCLP	Solid	1311	
460-234565-1 DU	WC-14 (0-5)	TCLP	Solid	1311	

Prep Batch: 779069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7471B	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7471B	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7471B	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7471B	
MB 460-779069/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-779069/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-234047-A-4-F MS	Matrix Spike	Total/NA	Solid	7471B	
460-234047-A-4-E DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 779196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7471B	779069
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7471B	779069
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7471B	779069
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7471B	779069
MB 460-779069/10-A	Method Blank	Total/NA	Solid	7471B	779069
LCSSRM 460-779069/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	779069
460-234047-A-4-F MS	Matrix Spike	Total/NA	Solid	7471B	779069
460-234047-A-4-E DU	Duplicate	Total/NA	Solid	7471B	779069

Prep Batch: 779219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	7470A	779033
460-234565-2	WC-15 (0-5)	TCLP	Solid	7470A	779033
460-234565-3	WC-16 (0-5)	TCLP	Solid	7470A	779033
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	7470A	779033
460-234565-5	WC-17 (0-5)	TCLP	Solid	7470A	779033
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	7470A	779033
460-234565-15	WC-30 (0-5)	TCLP	Solid	7470A	779033
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	7470A	779033
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	7470A	779033
460-234565-18	WC-27 (0-5)	TCLP	Solid	7470A	779033
LB 460-779033/1-F	Method Blank	TCLP	Solid	7470A	779033
MB 460-779219/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-779219/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234565-1 MS	WC-14 (0-5)	TCLP	Solid	7470A	779033

Metals (Continued)

Prep Batch: 779219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1 DU	WC-14 (0-5)	TCLP	Solid	7470A	779033

Analysis Batch: 779264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	7470A	779219
460-234565-2	WC-15 (0-5)	TCLP	Solid	7470A	779219
460-234565-3	WC-16 (0-5)	TCLP	Solid	7470A	779219
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	7470A	779219
460-234565-5	WC-17 (0-5)	TCLP	Solid	7470A	779219
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	7470A	779219
460-234565-15	WC-30 (0-5)	TCLP	Solid	7470A	779219
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	7470A	779219
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	7470A	779219
460-234565-18	WC-27 (0-5)	TCLP	Solid	7470A	779219
LB 460-779033/1-F	Method Blank	TCLP	Solid	7470A	779219
MB 460-779219/1-A	Method Blank	Total/NA	Solid	7470A	779219
LCS 460-779219/2-A	Lab Control Sample	Total/NA	Solid	7470A	779219
460-234565-1 MS	WC-14 (0-5)	TCLP	Solid	7470A	779219
460-234565-1 DU	WC-14 (0-5)	TCLP	Solid	7470A	779219

Prep Batch: 779286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	3010A	779033
460-234565-2	WC-15 (0-5)	TCLP	Solid	3010A	779033
460-234565-3	WC-16 (0-5)	TCLP	Solid	3010A	779033
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	3010A	779033
460-234565-5	WC-17 (0-5)	TCLP	Solid	3010A	779033
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	3010A	779033
460-234565-15	WC-30 (0-5)	TCLP	Solid	3010A	779033
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	3010A	779033
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	3010A	779033
460-234565-18	WC-27 (0-5)	TCLP	Solid	3010A	779033
LB 460-778488/1-F ^5	Method Blank	TCLP	Solid	3010A	778488
LB 460-779033/1-G ^5	Method Blank	TCLP	Solid	3010A	779033
MB 460-779286/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-779286/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234374-A-2-I MS	Matrix Spike	TCLP	Solid	3010A	778488
460-234374-A-2-H DU	Duplicate	TCLP	Solid	3010A	778488

Prep Batch: 779311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3050B	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3050B	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3050B	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3050B	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3050B	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3050B	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3050B	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3050B	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3050B	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 779311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779311/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-779311/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 779404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	6020B	779311
460-234565-2	WC-15 (0-5)	Total/NA	Solid	6020B	779311
460-234565-3	WC-16 (0-5)	Total/NA	Solid	6020B	779311
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	6020B	779311
460-234565-5	WC-17 (0-5)	Total/NA	Solid	6020B	779311
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	6020B	779311
460-234565-15	WC-30 (0-5)	Total/NA	Solid	6020B	779311
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	6020B	779311
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	6020B	779311
460-234565-18	WC-27 (0-5)	Total/NA	Solid	6020B	779311
MB 460-779311/1-A	Method Blank	Total/NA	Solid	6020B	779311
LCSSRM 460-779311/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	779311

Analysis Batch: 779466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	6010D	779286
460-234565-2	WC-15 (0-5)	TCLP	Solid	6010D	779286
460-234565-3	WC-16 (0-5)	TCLP	Solid	6010D	779286
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	6010D	779286
460-234565-5	WC-17 (0-5)	TCLP	Solid	6010D	779286
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	6010D	779286
460-234565-15	WC-30 (0-5)	TCLP	Solid	6010D	779286
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	6010D	779286
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	6010D	779286
460-234565-18	WC-27 (0-5)	TCLP	Solid	6010D	779286
LB 460-778488/1-F ^5	Method Blank	TCLP	Solid	6010D	779286
LB 460-779033/1-G ^5	Method Blank	TCLP	Solid	6010D	779286
MB 460-779286/1-A	Method Blank	Total/NA	Solid	6010D	779286
LCS 460-779286/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	779286
460-234374-A-2-I MS	Matrix Spike	TCLP	Solid	6010D	779286
460-234374-A-2-H DU	Duplicate	TCLP	Solid	6010D	779286

General Chemistry

Leach Batch: 129518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	D3987-85	
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	D3987-85	

General Chemistry

Prep Batch: 129578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9071B	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9071B	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9071B	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9071B	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9071B	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9071B	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9071B	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9071B	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9071B	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9071B	
MB 410-129578/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-129578/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121677-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	
180-121677-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121677-D-1-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 129961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9071B	129578
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9071B	129578
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9071B	129578
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9071B	129578
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9071B	129578
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9071B	129578
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9071B	129578
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9071B	129578
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9071B	129578
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9071B	129578
MB 410-129578/1-A	Method Blank	Total/NA	Solid	9071B	129578
LCS 410-129578/2-A	Lab Control Sample	Total/NA	Solid	9071B	129578
180-121677-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	129578
180-121677-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	129578
180-121677-D-1-D DU	Duplicate	Total/NA	Solid	9071B	129578

Prep Batch: 130552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	3060A	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	3060A	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	3060A	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	3060A	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	3060A	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	3060A	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	3060A	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	3060A	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	3060A	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	3060A	
MB 410-130552/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-130552/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-130552/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-234565-4 MSI	WC-14_WC-15 (5-10)	Total/NA	Solid	3060A	
460-234565-4 MSS	WC-14_WC-15 (5-10)	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 130552 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-4 DU	WC-14_WC-15 (5-10)	Total/NA	Solid	3060A	

Analysis Batch: 130554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	1664A	129518
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	1664A	129518
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	1664A	129518
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	1664A	129518
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	1664A	129518
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	1664A	129518
MB 410-130554/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-130554/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-130554/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-40445-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 130680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7196A	130552
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7196A	130552
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7196A	130552
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7196A	130552
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7196A	130552
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7196A	130552
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7196A	130552
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7196A	130552
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7196A	130552
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7196A	130552
MB 410-130552/1-A	Method Blank	Total/NA	Solid	7196A	130552
LCS 410-130552/2-A	Lab Control Sample	Total/NA	Solid	7196A	130552
LCSI 410-130552/3-A	Lab Control Sample	Total/NA	Solid	7196A	130552
460-234565-4 MSI	WC-14_WC-15 (5-10)	Total/NA	Solid	7196A	130552
460-234565-4 MSS	WC-14_WC-15 (5-10)	Total/NA	Solid	7196A	130552
460-234565-4 DU	WC-14_WC-15 (5-10)	Total/NA	Solid	7196A	130552

Analysis Batch: 131085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	1664A	129518
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	1664A	129518
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	1664A	129518
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	1664A	129518
MB 410-131085/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-131085/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-131085/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
460-234405-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	
460-234405-G-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	1664A	

Analysis Batch: 778859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	Moisture	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	Moisture	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 778859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	Moisture	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	Moisture	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	Moisture	
460-234565-7	WC-15C (0-2)	Total/NA	Solid	Moisture	
460-234565-8	WC-15B (8-10)	Total/NA	Solid	Moisture	
460-234565-9	WC-16A (0-2)	Total/NA	Solid	Moisture	
460-234565-10	WC-17D (5-7)	Total/NA	Solid	Moisture	
460-234565-11	WC-17A (0-2)	Total/NA	Solid	Moisture	
460-234565-12	WC-19B (6-8)	Total/NA	Solid	Moisture	
460-234565-13	WC-18A (10-12)	Total/NA	Solid	Moisture	
460-234565-14	WC-30B (3-5)	Total/NA	Solid	Moisture	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	Moisture	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	Moisture	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	Moisture	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	Moisture	
460-234565-19	WC-27A (0-2)	Total/NA	Solid	Moisture	
460-234565-11 DU	WC-17A (0-2)	Total/NA	Solid	Moisture	

Analysis Batch: 778864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	SM 2540G	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	SM 2540G	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	SM 2540G	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	SM 2540G	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	SM 2540G	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	SM 2540G	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	SM 2540G	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	SM 2540G	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	SM 2540G	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-778864/1	Method Blank	Total/NA	Solid	SM 2540G	
460-234565-1 DU	WC-14 (0-5)	Total/NA	Solid	SM 2540G	

Leach Batch: 779012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	D3987-85	
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	D3987-85	
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234565-1 MS	WC-14 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-1 MSD	WC-14 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-1 DU	WC-14 (0-5)	ASTM Leach	Solid	D3987-85	
460-234565-16 DU	WC-18_WC-19 (5-10)	ASTM Leach	Solid	D3987-85	

General Chemistry

Leach Batch: 779033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	TCLP	Solid	1311	
460-234565-2	WC-15 (0-5)	TCLP	Solid	1311	
460-234565-3	WC-16 (0-5)	TCLP	Solid	1311	
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	1311	
460-234565-5	WC-17 (0-5)	TCLP	Solid	1311	
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	1311	
460-234565-15	WC-30 (0-5)	TCLP	Solid	1311	
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	1311	
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	1311	
460-234565-18	WC-27 (0-5)	TCLP	Solid	1311	

Analysis Batch: 779189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9095B	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9095B	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9095B	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9095B	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9095B	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9095B	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9095B	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9095B	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9095B	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9095B	
460-234046-G-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 779233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	SM 2540B	779012
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	SM 2540B	779012
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	SM 2540B	779012
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	SM 2540B	779012
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	SM 2540B	779012
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	779012
MB 460-779233/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-779233/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-779233/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-234565-1 DU	WC-14 (0-5)	ASTM Leach	Solid	SM 2540B	779012
460-234565-16 DU	WC-18_WC-19 (5-10)	ASTM Leach	Solid	SM 2540B	779012

Analysis Batch: 779298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	410.4	779012
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	410.4	779012
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	410.4	779012
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	410.4	779012
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	410.4	779012

General Chemistry (Continued)

Analysis Batch: 779298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	410.4	779012
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	410.4	779012
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	410.4	779012
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	410.4	779012
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	410.4	779012
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	410.4	779012
MB 460-779298/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-779298/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-779298/3	Lab Control Sample	Total/NA	Solid	410.4	
460-234231-C-1 MS	Matrix Spike	Total/NA	Solid	410.4	
460-234231-C-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Prep Batch: 779384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9012B	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9012B	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9012B	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9012B	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9012B	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9012B	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9012B	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9012B	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9012B	
MB 460-779384/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-779384/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	9012B	
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	9012B	
460-234565-6 MS	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	
460-234565-6 MSD	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	
460-233066-A-3-B DU ^20	Duplicate	Total/NA	Solid	9012B	

Leach Batch: 779419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Soluble	Solid	DI Leach	
460-234565-2	WC-15 (0-5)	Soluble	Solid	DI Leach	
460-234565-3	WC-16 (0-5)	Soluble	Solid	DI Leach	
460-234565-4	WC-14_WC-15 (5-10)	Soluble	Solid	DI Leach	
460-234565-5	WC-17 (0-5)	Soluble	Solid	DI Leach	
460-234565-6	WC-16_WC-17 (5-10)	Soluble	Solid	DI Leach	
460-234565-15	WC-30 (0-5)	Soluble	Solid	DI Leach	
460-234565-16	WC-18_WC-19 (5-10)	Soluble	Solid	DI Leach	
460-234565-17	WC-18_WC-19 (10-18)	Soluble	Solid	DI Leach	
460-234565-18	WC-27 (0-5)	Soluble	Solid	DI Leach	

Analysis Batch: 779420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Soluble	Solid	9040C	779419
460-234565-1	WC-14 (0-5)	TCLP	Solid	9040C	779033
460-234565-2	WC-15 (0-5)	Soluble	Solid	9040C	779419
460-234565-2	WC-15 (0-5)	TCLP	Solid	9040C	779033

General Chemistry (Continued)

Analysis Batch: 779420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-3	WC-16 (0-5)	Soluble	Solid	9040C	779419
460-234565-3	WC-16 (0-5)	TCLP	Solid	9040C	779033
460-234565-4	WC-14_WC-15 (5-10)	Soluble	Solid	9040C	779419
460-234565-4	WC-14_WC-15 (5-10)	TCLP	Solid	9040C	779033
460-234565-5	WC-17 (0-5)	Soluble	Solid	9040C	779419
460-234565-5	WC-17 (0-5)	TCLP	Solid	9040C	779033
460-234565-6	WC-16_WC-17 (5-10)	Soluble	Solid	9040C	779419
460-234565-6	WC-16_WC-17 (5-10)	TCLP	Solid	9040C	779033
460-234565-15	WC-30 (0-5)	Soluble	Solid	9040C	779419
460-234565-15	WC-30 (0-5)	TCLP	Solid	9040C	779033
460-234565-16	WC-18_WC-19 (5-10)	Soluble	Solid	9040C	779419
460-234565-16	WC-18_WC-19 (5-10)	TCLP	Solid	9040C	779033
460-234565-17	WC-18_WC-19 (10-18)	Soluble	Solid	9040C	779419
460-234565-17	WC-18_WC-19 (10-18)	TCLP	Solid	9040C	779033
460-234565-18	WC-27 (0-5)	Soluble	Solid	9040C	779419
460-234565-18	WC-27 (0-5)	TCLP	Solid	9040C	779033

Analysis Batch: 779447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9045D	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9045D	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9045D	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9045D	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9045D	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9045D	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9045D	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9045D	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9045D	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9045D	
MB 460-779447/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-779447/3	Lab Control Sample	Total/NA	Solid	9045D	
460-234565-4 DU	WC-14_WC-15 (5-10)	Total/NA	Solid	9045D	

Analysis Batch: 779462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9012B	779384
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9012B	779384
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9012B	779384
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9012B	779384
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9012B	779384
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	779384
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9012B	779384
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9012B	779384
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9012B	779384
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9012B	779384
MB 460-779384/2-A	Method Blank	Total/NA	Solid	9012B	779384
LCSSRM 460-779384/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	779384
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	9012B	779384
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	9012B	779384
460-234565-6 MS	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	779384
460-234565-6 MSD	WC-16_WC-17 (5-10)	Total/NA	Solid	9012B	779384

General Chemistry (Continued)

Analysis Batch: 779462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-233066-A-3-B DU ^20	Duplicate	Total/NA	Solid	9012B	779384

Analysis Batch: 779467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	1030	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	1030	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	1030	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	1030	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	1030	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	1030	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	1030	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	1030	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	1030	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	1030	
460-234565-1 DU	WC-14 (0-5)	Total/NA	Solid	1030	

Prep Batch: 779494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7.3.4	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7.3.4	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7.3.4	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7.3.4	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7.3.4	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7.3.4	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7.3.4	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7.3.4	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7.3.4	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7.3.4	
MB 460-779494/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-779494/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	7.3.4	
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	7.3.4	

Prep Batch: 779495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7.3.3	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7.3.3	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7.3.3	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7.3.3	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7.3.3	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7.3.3	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7.3.3	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7.3.3	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7.3.3	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7.3.3	
MB 460-779495/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-779495/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-234565-1 DU	WC-14 (0-5)	Total/NA	Solid	7.3.3	

General Chemistry

Analysis Batch: 779496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9034	779494
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9034	779494
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9034	779494
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9034	779494
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9034	779494
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9034	779494
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9034	779494
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9034	779494
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9034	779494
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9034	779494
MB 460-779494/1-A	Method Blank	Total/NA	Solid	9034	779494
LCSSRM 460-779494/3-A	Lab Control Sample	Total/NA	Solid	9034	779494
460-234565-1 MS	WC-14 (0-5)	Total/NA	Solid	9034	779494
460-234565-1 MSD	WC-14 (0-5)	Total/NA	Solid	9034	779494

Analysis Batch: 779497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	9014	779495
460-234565-2	WC-15 (0-5)	Total/NA	Solid	9014	779495
460-234565-3	WC-16 (0-5)	Total/NA	Solid	9014	779495
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	9014	779495
460-234565-5	WC-17 (0-5)	Total/NA	Solid	9014	779495
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	9014	779495
460-234565-15	WC-30 (0-5)	Total/NA	Solid	9014	779495
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	9014	779495
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	9014	779495
460-234565-18	WC-27 (0-5)	Total/NA	Solid	9014	779495
MB 460-779495/1-A	Method Blank	Total/NA	Solid	9014	779495
LCS 460-779495/2-A	Lab Control Sample	Total/NA	Solid	9014	779495
460-234565-1 DU	WC-14 (0-5)	Total/NA	Solid	9014	779495

Analysis Batch: 779811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-2	WC-15 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-3	WC-16 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-4	WC-14_WC-15 (5-10)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-5	WC-17 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-6	WC-16_WC-17 (5-10)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-15	WC-30 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-16	WC-18_WC-19 (5-10)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-17	WC-18_WC-19 (10-18)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-18	WC-27 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	779012
MB 460-779811/44	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-779811/45	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-779811/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-234565-1 MS	WC-14 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-1 MSD	WC-14 (0-5)	ASTM Leach	Solid	4500 NH3 H	779012

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

General Chemistry

Analysis Batch: 780622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234565-1	WC-14 (0-5)	Total/NA	Solid	7196A	
460-234565-2	WC-15 (0-5)	Total/NA	Solid	7196A	
460-234565-3	WC-16 (0-5)	Total/NA	Solid	7196A	
460-234565-4	WC-14_WC-15 (5-10)	Total/NA	Solid	7196A	
460-234565-5	WC-17 (0-5)	Total/NA	Solid	7196A	
460-234565-6	WC-16_WC-17 (5-10)	Total/NA	Solid	7196A	
460-234565-15	WC-30 (0-5)	Total/NA	Solid	7196A	
460-234565-16	WC-18_WC-19 (5-10)	Total/NA	Solid	7196A	
460-234565-17	WC-18_WC-19 (10-18)	Total/NA	Solid	7196A	
460-234565-18	WC-27 (0-5)	Total/NA	Solid	7196A	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14 (0-5)

Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 19:20	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 05:20	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 07:59	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:14	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:15	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:42	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:25	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-14 (0-5)

Date Collected: 05/15/21 08:05
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-1

Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 03:01	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 09:48	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 13:25	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 09:07	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		5	779095	05/20/21 10:34	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 13:43	MDC	TAL EDI
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:43	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:40	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-15 (0-5)

Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 19:43	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 05:32	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 08:13	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:18	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE

Client Sample ID: WC-15 (0-5)

Lab Sample ID: 460-234565-2

Date Collected: 05/15/21 12:30

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:43	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:28	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-15 (0-5)

Lab Sample ID: 460-234565-2

Date Collected: 05/15/21 12:30

Matrix: Solid

Date Received: 05/17/21 16:55

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 04:11	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 10:31	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 14:15	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 09:21	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 10:48	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 13:45	MDC	TAL EDI
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:45	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:46	HTV	TAL EDI

Client Sample ID: WC-15 (0-5)

Date Collected: 05/15/21 12:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-2
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-16 (0-5)

Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 20:07	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 06:01	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 08:26	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:22	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:31	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:45	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:31	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-16 (0-5)
Date Collected: 05/15/21 13:10
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-3
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 04:34	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 10:45	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 14:31	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 09:36	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 11:06	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 13:47	MDC	TAL EDI
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:47	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:47	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-14_WC-15 (5-10)
Date Collected: 05/15/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 20:30	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 06:14	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 08:40	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:34	CDC	TAL EDI

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4

Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:33	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:46	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:21	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-14_WC-15 (5-10)
Lab Sample ID: 460-234565-4

Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/19/21 23:08	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 11:00	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 14:48	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 09:51	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 08:17	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 13:49	MDC	TAL EDI

Client Sample ID: WC-14_WC-15 (5-10)

Lab Sample ID: 460-234565-4

Date Collected: 05/15/21 13:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:29	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:48	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-17 (0-5)

Lab Sample ID: 460-234565-5

Date Collected: 05/16/21 12:05
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 20:54	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 06:26	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 08:53	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:38	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:34	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:48	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-17 (0-5)

Lab Sample ID: 460-234565-5
Date Collected: 05/16/21 12:05
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	779447	05/21/21 13:33	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-17 (0-5)

Lab Sample ID: 460-234565-5
Date Collected: 05/16/21 12:05
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/19/21 23:54	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 11:15	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 15:04	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 10:05	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 11:20	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 13:59	MDC	TAL EDI
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:49	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:48	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-16_WC-17 (5-10)

Lab Sample ID: 460-234565-6
Date Collected: 05/16/21 12:15
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 21:18	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 06:38	FAM	TAL EDI

Client Sample ID: WC-16_WC-17 (5-10)

Lab Sample ID: 460-234565-6

Date Collected: 05/16/21 12:15

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 09:07	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:42	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:36	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	130554	05/25/21 16:48	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:49	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:35	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-16_WC-17 (5-10)

Lab Sample ID: 460-234565-6

Date Collected: 05/16/21 12:15

Matrix: Solid

Date Received: 05/17/21 16:55

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 00:18	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 11:29	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 15:21	JHP	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-16_WC-17 (5-10)

Lab Sample ID: 460-234565-6
Date Collected: 05/16/21 12:15
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 10:20	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 11:34	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 14:01	MDC	TAL EDI
Total/NA	Prep	7471B			778809	05/19/21 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	778892	05/19/21 09:51	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:49	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-15C (0-2)

Lab Sample ID: 460-234565-7
Date Collected: 05/17/21 07:30
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 15:15	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-15C (0-2)

Lab Sample ID: 460-234565-7
Date Collected: 05/17/21 07:30
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:33	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 11:19	AAT	TAL EDI

Client Sample ID: WC-15B (8-10)

Lab Sample ID: 460-234565-8
Date Collected: 05/17/21 07:50
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 15:41	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-15B (8-10)
Date Collected: 05/17/21 07:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-8
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:34	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 11:43	AAT	TAL EDI

Client Sample ID: WC-16A (0-2)
Date Collected: 05/17/21 07:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 16:07	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-16A (0-2)
Date Collected: 05/17/21 07:40
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-9
Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:34	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 12:07	AAT	TAL EDI

Client Sample ID: WC-17D (5-7)
Date Collected: 05/17/21 07:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 16:33	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-17D (5-7)
Date Collected: 05/17/21 07:55
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-10
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:35	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 12:30	AAT	TAL EDI

Client Sample ID: WC-17A (0-2)
Date Collected: 05/17/21 06:45
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 16:59	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-17A (0-2)

Lab Sample ID: 460-234565-11
Date Collected: 05/17/21 06:45
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:35	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 12:54	AAT	TAL EDI

Client Sample ID: WC-19B (6-8)

Lab Sample ID: 460-234565-12
Date Collected: 05/17/21 10:15
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 17:25	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-19B (6-8)

Lab Sample ID: 460-234565-12
Date Collected: 05/17/21 10:15
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:36	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 13:17	AAT	TAL EDI

Client Sample ID: WC-18A (10-12)

Lab Sample ID: 460-234565-13
Date Collected: 05/17/21 10:50
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 17:51	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-18A (10-12)

Lab Sample ID: 460-234565-13
Date Collected: 05/17/21 10:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:37	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 13:41	AAT	TAL EDI

Client Sample ID: WC-30B (3-5)

Lab Sample ID: 460-234565-14
Date Collected: 05/17/21 10:40
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 18:17	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-30B (3-5)

Lab Sample ID: 460-234565-14

Date Collected: 05/17/21 10:40
Date Received: 05/17/21 16:55

Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:37	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 14:04	AAT	TAL EDI

Client Sample ID: WC-30 (0-5)

Lab Sample ID: 460-234565-15

Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 21:41	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 06:50	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 09:20	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:47	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:38	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	131085	05/26/21 16:43	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:51	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:39	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:44	PLS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-30 (0-5)
Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-30 (0-5)
Date Collected: 05/17/21 13:30
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-15
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 06:09	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 11:44	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		2	779164	05/20/21 18:57	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 10:35	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 11:50	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 14:04	MDC	TAL EDI
Total/NA	Prep	7471B			779069	05/20/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 07:36	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:52	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-18_WC-19 (5-10)
Date Collected: 05/17/21 12:50
Date Received: 05/17/21 16:55

Lab Sample ID: 460-234565-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 22:05	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 07:03	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 09:34	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:51	CDC	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-18_WC-19 (5-10)

Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50
Matrix: Solid
Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:40	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	131085	05/26/21 16:43	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:52	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:41	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:59	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-18_WC-19 (5-10)

Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50
Matrix: Solid
Date Received: 05/17/21 16:55
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 04:58	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 11:58	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 15:54	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 10:50	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 12:05	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 14:06	MDC	TAL EDI

Client Sample ID: WC-18_WC-19 (5-10)

Lab Sample ID: 460-234565-16

Date Collected: 05/17/21 12:50

Matrix: Solid

Date Received: 05/17/21 16:55

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			779069	05/20/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 07:37	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 11:53	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-18_WC-19 (10-18)

Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 22:28	MME	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 07:15	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 09:48	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:55	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:45	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	131085	05/26/21 16:43	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:54	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI

Client Sample ID: WC-18_WC-19 (10-18)

Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	779447	05/21/21 13:43	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:36	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:59	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-18_WC-19 (10-18)

Lab Sample ID: 460-234565-17

Date Collected: 05/17/21 12:55

Matrix: Solid

Date Received: 05/17/21 16:55

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 01:28	MME	TAL EDI
Total/NA	Prep	3546	DL		778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E	DL	2	779019	05/20/21 08:06	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 12:13	SAK	TAL EDI
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779164	05/20/21 16:11	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 11:04	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 12:19	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 14:08	MDC	TAL EDI
Total/NA	Prep	7471B			779069	05/20/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 07:39	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 12:02	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-27 (0-5)

Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779185	05/20/21 10:30	DXB	TAL EDI
TCLP	Analysis	8270E		1	779251	05/20/21 22:52	MME	TAL EDI

Client Sample ID: WC-27 (0-5)

Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40

Matrix: Solid

Date Received: 05/17/21 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779170	05/20/21 09:54	OTS	TAL EDI
TCLP	Analysis	8081B		1	779332	05/21/21 07:27	FAM	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779322	05/20/21 23:54	AFR	TAL EDI
TCLP	Analysis	8151A		1	779373	05/21/21 10:01	SAK	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779286	05/20/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	779466	05/21/21 13:59	CDC	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			779219	05/20/21 13:22	RBS	TAL EDI
TCLP	Analysis	7470A		1	779264	05/20/21 14:47	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 12:58	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			129518	05/22/21 17:23	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	131085	05/26/21 16:43	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779298	05/20/21 19:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 22:55	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780622	05/27/21 07:05	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			779419	05/19/21 09:51	YAH	TAL EDI
Soluble	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
TCLP	Leach	1311			779033	05/19/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	779420	05/20/21 09:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	779447	05/21/21 13:45	AAP	TAL EDI
Total/NA	Analysis	9095B		1	779189	05/20/21 10:37	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779012	05/19/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779233	05/20/21 14:59	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	778864	05/19/21 08:57	PLS	TAL EDI

Client Sample ID: WC-27 (0-5)

Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40

Matrix: Solid

Date Received: 05/17/21 16:55

Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778896	05/19/21 10:40	OTS	TAL EDI
Total/NA	Analysis	8270E		1	779019	05/20/21 01:51	MME	TAL EDI
Total/NA	Prep	3546			779000	05/19/21 17:09	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779117	05/20/21 12:28	SAK	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Client Sample ID: WC-27 (0-5)

Lab Sample ID: 460-234565-18

Date Collected: 05/17/21 13:40
Date Received: 05/17/21 16:55

Matrix: Solid
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			778999	05/19/21 17:04	ZXB	TAL EDI
Total/NA	Analysis	8082A		2	779164	05/20/21 19:13	JHP	TAL EDI
Total/NA	Prep	8151A			779056	05/19/21 23:50	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779374	05/21/21 11:19	SAK	TAL EDI
Total/NA	Prep	3546			778890	05/19/21 10:22	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779095	05/20/21 12:35	KMH	TAL EDI
Total/NA	Prep	3050B			779311	05/20/21 21:25	GAE	TAL EDI
Total/NA	Analysis	6020B		1	779404	05/21/21 14:10	MDC	TAL EDI
Total/NA	Prep	7471B			779069	05/20/21 03:21	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 07:41	TJS	TAL EDI
Total/NA	Prep	3060A			130552	05/25/21 16:45	Z7CH	ELLE
Total/NA	Analysis	7196A		1	130680	05/25/21 22:36	UDS7	ELLE
Total/NA	Prep	9012B			779384	05/21/21 08:01	IAA	TAL EDI
Total/NA	Analysis	9012B		1	779462	05/21/21 12:03	HTV	TAL EDI
Total/NA	Prep	9071B			129578	05/23/21 10:15	QT6L	ELLE
Total/NA	Analysis	9071B		1	129961	05/24/21 13:17	UYB0	ELLE

Client Sample ID: WC-27A (0-2)

Lab Sample ID: 460-234565-19

Date Collected: 05/17/21 13:45
Date Received: 05/17/21 16:55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			778839	05/19/21 07:17	BJB	TAL EDI
TCLP	Analysis	8260D		10	779132	05/20/21 18:43	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	778859	05/19/21 08:33	MMC	TAL EDI

Client Sample ID: WC-27A (0-2)

Lab Sample ID: 460-234565-19

Date Collected: 05/17/21 13:45
Date Received: 05/17/21 16:55

Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			778764	05/18/21 21:38	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779070	05/20/21 14:28	AAT	TAL EDI

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234565-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234565-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-234565-1	WC-14 (0-5)	Solid	05/15/21 08:05	05/17/21 16:55
460-234565-2	WC-15 (0-5)	Solid	05/15/21 12:30	05/17/21 16:55
460-234565-3	WC-16 (0-5)	Solid	05/15/21 13:10	05/17/21 16:55
460-234565-4	WC-14_WC-15 (5-10)	Solid	05/15/21 13:30	05/17/21 16:55
460-234565-5	WC-17 (0-5)	Solid	05/16/21 12:05	05/17/21 16:55
460-234565-6	WC-16_WC-17 (5-10)	Solid	05/16/21 12:15	05/17/21 16:55
460-234565-7	WC-15C (0-2)	Solid	05/17/21 07:30	05/17/21 16:55
460-234565-8	WC-15B (8-10)	Solid	05/17/21 07:50	05/17/21 16:55
460-234565-9	WC-16A (0-2)	Solid	05/17/21 07:40	05/17/21 16:55
460-234565-10	WC-17D (5-7)	Solid	05/17/21 07:55	05/17/21 16:55
460-234565-11	WC-17A (0-2)	Solid	05/17/21 06:45	05/17/21 16:55
460-234565-12	WC-19B (6-8)	Solid	05/17/21 10:15	05/17/21 16:55
460-234565-13	WC-18A (10-12)	Solid	05/17/21 10:50	05/17/21 16:55
460-234565-14	WC-30B (3-5)	Solid	05/17/21 10:40	05/17/21 16:55
460-234565-15	WC-30 (0-5)	Solid	05/17/21 13:30	05/17/21 16:55
460-234565-16	WC-18_WC-19 (5-10)	Solid	05/17/21 12:50	05/17/21 16:55
460-234565-17	WC-18_WC-19 (10-18)	Solid	05/17/21 12:55	05/17/21 16:55
460-234565-18	WC-27 (0-5)	Solid	05/17/21 13:40	05/17/21 16:55
460-234565-19	WC-27A (0-2)	Solid	05/17/21 13:45	05/17/21 16:55

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

SHORT HOLD

Client Information	Sampler: Dan McKeretich	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 631-232-2600	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234565
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	[redacted]	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500 NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special
Preservation Code:							N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-14 (0-5)	5-15-21	0805	C	Solid				X	X	X		X	X	X	X	X	X	X	8	1
WC-15 (0-5)	5-15-21	1230	C	Solid				X	X	X		X	X	X	X	X	X	X	8	2
WC-16 (0-5)	5-15-21	1310	C	Solid				X	X	X		X	X	X	X	X	X	X	8	3
WC-14_WC-15 (5-10)	5-15-21	1330	C	Solid				X	X	X		X	X	X	X	X	X	X	8	4
WC-17 (0-5)	5-16-21	1205	C	Solid				X	X	X		X	X	X	X	X	X	X	8	5
WC-16_WC-17 (5-10)	5-16-21	1215	C	Solid				X	X	X		X	X	X	X	X	X	X	8	6
WC-15C (0-2)	5-17-21	0730	G	Solid			X												4	7
WC-15B (8-10)		0750	G	Solid			X												4	8
WC-16A (0-2)		0740	G	Solid			X												4	9
WC-17D (5-7)		0755	G	Solid			X												4	10
WC-17A (0-2)	↓	0645	G	Solid			X												4	11

460-234565 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-17-21 1715	ROUX		05/17/21 14:15	TA NYC
2		05/17/21 17:00	TA NYC		5/17/21 1800	
3		5/17/21 1800		Colette Arana	5/17/21 1655	TAN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2.5 IR 2.5 20 IR 2.5 20 IR

Ver: 01/16/2019

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins | Environment Testing America

Client Information	Sampler: Dan Mierendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234565
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	F	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 8010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	N	F	N	N	N	N	N	N	N	N	
WC-19B (6-8)	5-17-21	1015	G	Solid			X												4	12
WC-19A (10-12)		1050	G	Solid			X												4	13
WC-30B (3-5)		1040	G	Solid			X												4	14
WC-30 (0-5)		1330	C	Solid				X	X	X		X	X	X	X	X	X	X	8	15
WC-18_WC-19 (5-10)		1250	C	Solid				X	X	X		X	X	X	X	X	X	X	8	16
WC-18_WC-19 (10-18)		1255	C	Solid				X	X	X		X	X	X	X	X	X	X	8	17
WC-27 (0-5)		1340	C	Solid				X	X	X		X	X	X	X	X	X	X	8	18
WC-27A (0-2)		1345	G	Solid			X												4	19
				Solid																
				Solid																
				Solid																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-17-21, 14:15	ROUX		05/17/21 14:15	TA NYC
2		05/17/21 17:00	TA NYC		5/17/21 1600	
3		6/21, 1500			5/17/21 1655	ETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2520ZR9 2520ZR9 2520ZR9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234565

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	25 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	25 °C	20 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	25 °C	20 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] Date: 5 17 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61612.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234565-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/21/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
WC-14 (0-5) (460-234565-1)	5/15/21	08:05 Eastern		Solid			X	X	1	
WC-15 (0-5) (460-234565-2)	5/15/21	12:30 Eastern		Solid			X	X	1	
WC-16 (0-5) (460-234565-3)	5/15/21	13:10 Eastern		Solid			X	X	1	
WC-14_WC-15 (5-10) (460-234565-4)	5/15/21	13:30 Eastern		Solid			X	X	1	
WC-17 (0-5) (460-234565-5)	5/16/21	12:05 Eastern		Solid			X	X	1	
WC-16_WC-17 (5-10) (460-234565-6)	5/16/21	12:15 Eastern		Solid			X	X	1	
WC-30 (0-5) (460-234565-15)	5/17/21	13:30 Eastern		Solid			X	X	1	
WC-18_WC-19 (5-10) (460-234565-16)	5/17/21	12:50 Eastern		Solid			X	X	1	
WC-18_WC-19 (10-18) (460-234565-17)	5/17/21	12:55 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5/19/21 15:55	Company: EAEL	Received by: Brad Box	Date/Time: 5/19/21 15:55	Company: EAEL
Relinquished by: Brad Box	Date/Time: 5/19/21 19:00	Company: EAEL	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/19/21 1900	Company: ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9-4.4

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61612.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234565-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/21/2021	Analysis Requested		Preservation Codes:
City: Lancaster	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM											Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
WC-27 (0-5) (460-234565-18)	5/17/21	13:40 Eastern		Solid			X	X											1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5/19/21 15:55	Company ELNJ	Received by:	Date/Time: 5/19/21 15:55	Company ELNJ
Relinquished by:	Date/Time: 5/19/21 19:00	Company ELNJ	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/19/21 1900	Company ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9-4.4

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234565-1

Login Number: 234565
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234565-1

Login Number: 234565
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/19/21 08:50 PM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-234659-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 5:56:48 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

LINKS

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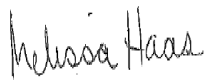
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 5:56:48 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid

Glossary (Continued)

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

Job ID: 460-234659-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-234659-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/18/2021 5:00 PM, 5/20/2021 7:00 PM and 5/21/2021 7:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.0º C, 2.0º C and 2.8º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS

Samples WC-20C (8-10) (460-234659-1), WCR-1C (3-5) (460-234918-1), WC-20D (13-15) (460-234659-2), WCR-2D (1-3) (460-234918-2), WC-29C (0-2) (460-234659-3), WC-28A (0-2) (460-234659-4), WC-2D (3-5) (460-234830-4) and WC-1A (0-2) (460-234830-5) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 05/20/2021, 05/23/2021 and 05/26/2021 and analyzed on 05/21/2021, 05/26/2021 and 05/27/2021.

The following sample was diluted to bring the concentration of target and non-target analytes within the calibration range: WC-20D (13-15) (460-234659-2). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) associated with batch 460-780648 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-780648 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Samples WC-20C (8-10) (460-234659-1), WCR-1C (3-5) (460-234918-1), WC-20D (13-15) (460-234659-2), WCR-2D (1-3) (460-234918-2), WC-29C (0-2) (460-234659-3), WC-28A (0-2) (460-234659-4), WC-2D (3-5) (460-234830-4) and WC-1A (0-2) (460-234830-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 05/19/2021, 05/21/2021 and 05/22/2021 and analyzed on 05/21/2021, 05/22/2021, 05/23/2021, 05/24/2021 and 05/26/2021.

The continuing calibration verification (CCV) associated with batch 460-779352 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-779247 was outside the method criteria for the following analyte: Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The laboratory control sample duplicate (LCSD) for analytical batch 460-779247 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. These analytes were biased low in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-779352 recovered outside control limits for the following analyte: 2-Butanone. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-780101 was outside the method criteria for the following analyte(s): Carbon tetrachloride (biased high) and 1,1-Dichloroethene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-780101 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-780432 was outside the method criteria for the following analyte(s): 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high) and Dichlorobromomethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-780468 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-780354 was outside the method criteria for the following analytes: Vinyl chloride and 1,1,2-Trichloro-1,2,2-trifluoroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-780354 recovered outside control limits for the following analytes: Cyclohexane and Methylcyclohexane. These analytes were biased low in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-779612 was outside the method criteria for the following analyte: 1,2,3-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-780318 recovered above the upper control limit for Carbon

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-780318 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021, prepared on 05/21/2021, 05/23/2021 and 05/26/2021 and analyzed on 05/22/2021, 05/24/2021 and 05/27/2021.

The continuing calibration verification (CCV) associated with batch 460-780638 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-780638 recovered above the upper control limit for 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the TCLP herbicides analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021, prepared on 05/21/2021, 05/23/2021 and 05/26/2021 and analyzed on 05/22/2021, 05/23/2021, 05/26/2021 and 05/27/2021.

The surrogate recovery for the LB associated with preparation batch 460-780242 and 460-780407 and analytical batch 460-780504 was outside the upper control limits.

2-Methylphenol, 3 & 4 Methylphenol and Nitrobenzene failed the recovery criteria high for the MSD of sample 160-42160-1 in batch 460-780504.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 05/20/2021 and 05/21/2021 and analyzed on 05/21/2021 and 05/23/2021.

The continuing calibration verification (CCV) analyzed in batch 460-779369 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-779695 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, Benzo[a]pyrene and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Indeno[1,2,3-cd]pyrene failed the recovery criteria high for the MS of sample WC-28 (0-5)MS (460-234659-5) in batch 460-779369.

Indeno[1,2,3-cd]pyrene failed the recovery criteria high for the MSD of sample WC-28 (0-5)MSD (460-234659-5) in batch 460-779369.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021, prepared on 05/21/2021, 05/23/2021 and 05/26/2021 and analyzed on 05/22/2021, 05/24/2021 and 05/27/2021.

Endrin failed the recovery criteria high for the MSD of sample 160-42160-1 in batch 460-780581.

Endrin failed the recovery criteria high for the MS of sample 160-42160-1 in batch 460-780581.

No other difficulties were encountered during the TCLP pesticides analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 05/20/2021 and 05/22/2021 and analyzed on 05/21/2021 and 05/23/2021.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-779158 and analytical batch 460-779238 recovered outside control limits for the following analytes: Endosulfan II on the secondary column. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported..(LCS 460-779158/2-A) and (LCSD 460-779158/3-A)

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/20/2021 and 05/22/2021 and analyzed on 05/21/2021 and 05/23/2021.

The following sample was diluted to bring the concentration of target analytes within the calibration range: WC-29 (0-5) (460-234659-6) at 2.0 and 2.0. Elevated reporting limits (RLs) are provided.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/20/2021 and 05/21/2021 and analyzed on 05/21/2021 and 05/22/2021.

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The closing continuing calibration verification (CCVC) associated with batch 460-779657 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-779469 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-779469 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 05/20/2021 and 05/23/2021 and analyzed on 05/21/2021 and 05/25/2021.

1-Chlorooctadecane surrogate recovery for the following LCSD was outside control limits; o-Terphenyl surrogate recovery is within the control limits: (LCSD 460-779188/3-A). Therefore, re-extraction and/or re-analysis was not performed.

Surrogate 1-Chlorooctadecane was outside the control limits (biased high). Surrogate o-Terphenyl was within control limits. Data have been reported. (LCS 460-779768/2-A) and (LCSD 460-779768/3-A)

The following sample was diluted due to abundance of target analytes : WC-20 (10-18) (460-234830-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021, prepared on 05/22/2021, 05/23/2021 and 05/27/2021 and analyzed on 05/23/2021, 05/25/2021 and 05/27/2021.

No difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared and analyzed on 05/27/2021.

Antimony, Calcium and Lead failed the recovery criteria low for the MS of sample 460-234901-1 in batch 460-780660. Aluminum, Barium and Potassium failed the recovery criteria high.

Lead exceeded the RPD limit for the duplicate of sample 460-234901-1.

Sample WC-20 (5-10) (460-234830-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared on 05/29/2021 and analyzed on 05/30/2021.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021, and prepared and analyzed on 05/21/2021 and 05/26/2021.

Mercury was detected in method blank LB 460-779308/1-F at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/20/2021 and 05/24/2021.

Mercury failed the recovery criteria low for the MS of sample 460-234632-1 in batch 460-779196.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/21/2021 and 05/26/2021.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were leached on 05/26/2021 and analyzed on 05/28/2021.

No difficulties were encountered during the SGT-HEM/HEM analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TOTAL VOLATILE SOLIDS
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for total volatile solids in accordance with SM 2540G. The samples were analyzed on 05/20/2021 and 05/24/2021.

Total Solids was detected in method blank MB 460-779150/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Total Solids was detected in method blank MB 460-779878/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No other difficulties were encountered during the TVS analysis.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND, ASTM
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for chemical oxygen demand, ASTM in accordance with EPA Method 410.4 (ASTM Leach D3987-85). The samples were leached on 05/20/2021 and 05/24/2021 and analyzed on 05/24/2021, 05/25/2021 and 06/01/2021.

No difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 06/01/2021.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 05/22/2021 and 05/27/2021 and analyzed on 05/24/2021 and 05/27/2021.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-234632-4 in batch 460-779936.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 05/21/2021 and 05/27/2021.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5),

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 05/21/2021 and 05/27/2021.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

PH
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/20/2021, 05/22/2021 and 05/25/2021 and analyzed on 05/27/2021.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

PH
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were leached on 05/21/2021, 05/22/2021 and 05/25/2021 and analyzed on 05/27/2021.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 05/27/2021.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

OIL AND GREASE
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for oil and grease in accordance with EPA SW-846 Method 9017B. The samples were prepared on 05/24/2021 and 05/28/2021 and analyzed on 05/25/2021 and 05/28/2021.

Oil & Grease failed the recovery criteria low for the MSD of sample 180-121684-1 in batch 410-130369.

Oil & Grease failed the recovery criteria low for the MS/MSD of sample 460-235054-3 in batch 410-132210.

Oil & Grease exceeded the RPD limit for the duplicate of sample 460-235054-3.

No other difficulties were encountered during the oil and grease analysis.

All other quality control parameters were within the acceptance limits.

PAINT FILTER
Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 05/21/2021 and 05/27/2021.

No difficulties were encountered during the Free Liquids analysis.

Job ID: 460-234659-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples WC-20C (8-10) (460-234659-1), WC-20 (5-10) (460-234830-1), WCR-1C (3-5) (460-234918-1), WC-20D (13-15) (460-234659-2), WC-20 (10-18) (460-234830-2), WCR-2D (1-3) (460-234918-2), WC-29C (0-2) (460-234659-3), WC-2 (0-5) (460-234830-3), WC-28A (0-2) (460-234659-4), WC-2D (3-5) (460-234830-4), WC-28 (0-5) (460-234659-5), WC-1A (0-2) (460-234830-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 05/20/2021, 05/24/2021 and 05/25/2021.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

ASTM TOTAL SOLIDS

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for ASTM Total Solids in accordance with SM 2540B by ASTM Leach D3987-85. The samples were leached on 05/20/2021 and 05/24/2021 and analyzed on 05/21/2021 and 05/25/2021.

Total Solids exceeded the RPD limit for the duplicate of sample WC-28 (0-5)DU (460-234659-5).

No other difficulties were encountered during the TS analysis.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples WC-20 (5-10) (460-234830-1), WC-20 (10-18) (460-234830-2), WC-2 (0-5) (460-234830-3), WC-28 (0-5) (460-234659-5), WC-29 (0-5) (460-234659-6) and WC-1 (0-5) (460-234830-6) were analyzed for Ammonia in accordance with SM 4500_NH H by ASTM Leach D3987-85. The samples were leached on 05/20/2021 and 05/24/2021 and analyzed on 05/23/2021, 05/27/2021 and 06/06/2021.

Ammonia failed the recovery criteria high for the MS/MSD of sample 460-235054-2 in batch 460-782622.

No other difficulties were encountered during the Ammonia analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-20C (8-10) — Lab Sample ID: 460-234659-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.0012	J	0.0013	0.00040	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-20D (13-15) — Lab Sample ID: 460-234659-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.15		0.15	0.032	mg/Kg	50	☼	8260D	Total/NA
Cyclohexane	0.24		0.15	0.038	mg/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	3.5		0.15	0.047	mg/Kg	50	☼	8260D	Total/NA
Methylcyclohexane	3.0		0.15	0.11	mg/Kg	50	☼	8260D	Total/NA
o-Xylene	0.069	J	0.15	0.047	mg/Kg	50	☼	8260D	Total/NA

Client Sample ID: WC-29C (0-2) — Lab Sample ID: 460-234659-3

No Detections.

Client Sample ID: WC-28A (0-2) — Lab Sample ID: 460-234659-4

No Detections.

Client Sample ID: WC-28 (0-5) — Lab Sample ID: 460-234659-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.042	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.023	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.039	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.10	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.34		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.48		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.25	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.17		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.044	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.034	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.33	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.069		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.032	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.47		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.027	J	0.35	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.25		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.054	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.28	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.56		0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.19		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.19		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	170		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.56	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0037	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.16		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5980		20.0	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.49	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	49.6		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.29	J	0.40	0.057	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-28 (0-5) (Continued)
Lab Sample ID: 460-234659-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.22	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	11500		99.9	17.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.9		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	56.0		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	13700		60.0	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	99.1		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4170		99.9	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	233		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	19.6		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	977		99.9	11.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.099	J	1.0	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	300		99.9	15.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.074	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.8		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	77.2		8.0	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.11		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	0.46		0.43	0.14	mg/Kg	1	☼	7196A	Total/NA
pH	8.7	HF			SU	1		9045D	Total/NA
Corrosivity	8.7	HF			SU	1		9045D	Total/NA
Oil & Grease	725		635	212	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.5				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	2.0	J	5.4	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	68.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-29 (0-5)
Lab Sample ID: 460-234659-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.055	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.020	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.063	J	0.34	0.0034	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.088	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.43		0.034	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.53		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.73		0.034	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.42		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.22		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.14	J	0.34	0.018	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.019	J	0.34	0.016	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.028	J	0.34	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.46		0.34	0.0058	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.11		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.030	J	0.34	0.0048	mg/Kg	1	☼	8270E	Total/NA
Di-n-octyl phthalate	0.023	J	0.34	0.018	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.59		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.025	J	0.34	0.0046	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-29 (0-5) (Continued)
Lab Sample ID: 460-234659-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.42		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.053	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.34		0.34	0.0060	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.80		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1254	1.7		0.14	0.019	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	1.7		0.14	0.019	mg/Kg	2	☼	8082A	Total/NA
Total EPH (C9-C40)	460		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.57	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0066	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.19		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4810		19.7	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.7		0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	21.4		0.99	0.099	mg/Kg	1	☼	6020B	Total/NA
Barium	67.3		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.33	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.60	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	11400		98.6	16.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.0		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	105		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	20800		59.2	19.9	mg/Kg	1	☼	6020B	Total/NA
Lead	248		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3720		98.6	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	253		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.1		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	813		98.6	11.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.50	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.16	J	0.99	0.088	mg/Kg	1	☼	6020B	Total/NA
Sodium	560		98.6	15.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.25	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	119		7.9	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.000094	J B	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.30		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	1.2		0.44	0.15	mg/Kg	1	☼	7196A	Total/NA
pH	9.1	HF			SU	1		9045D	Total/NA
Corrosivity	9.1	HF			SU	1		9045D	Total/NA
Oil & Grease	1840		601	200	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.8				S.U.	1		9040C	Soluble
pH	5.6				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	1.6	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	87.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-20 (5-10)
Lab Sample ID: 460-234830-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.081	J	0.38	0.0050	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.44		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-20 (5-10) (Continued)
Lab Sample ID: 460-234830-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.69		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.057	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.81		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.8		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.6		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.9		0.038	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.82		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.71		0.038	0.0074	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.12	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.35	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.7		0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.24		0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.34	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	3.7		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.65		0.38	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.1		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.44		0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	4.7		0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	3.5		0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.11		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.11		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	970		11	11	mg/Kg	5	☼	NJDEP EPH	Total/NA
Arsenic	0.032	J	0.075	0.017	mg/L	5		6010D	TCLP
Barium	0.36	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0059	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.038	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5520		20.9	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.33	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	183		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	38.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.66	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	61600		521	88.6	mg/Kg	5	☼	6020B	Total/NA
Chromium	11.2		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	28.7		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	10900		62.6	21.1	mg/Kg	1	☼	6020B	Total/NA
Lead	45.9		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	17800		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	251		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.6		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	954		104	11.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.41	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	425		104	16.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	1.6		0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	43.7		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	104		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.00012	J B	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.21		0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	0.44	J	0.47	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	10.5	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-20 (5-10) (Continued)
Lab Sample ID: 460-234830-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Corrosivity	10.5	HF			SU	1		9045D	Total/NA
Oil & Grease	391	J	670	223	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.1		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.0				S.U.	1		9040C	Soluble
pH	5.8				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	1.8	J	5.4	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	12.6		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	381		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-20 (10-18)
Lab Sample ID: 460-234830-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	3.8		0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	1.1		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.47		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.18		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.12		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.14		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.063	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.057		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.22	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.22	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.99		0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.43		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	2.4		0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.081		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	5.4		0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.96		0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	4600		45	45	mg/Kg	20	☼	NJDEP EPH	Total/NA
Barium	0.62	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0023	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.16		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4890		20.9	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.4		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	52.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.34	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	1700		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.9		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	14.8		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	11200		62.8	21.1	mg/Kg	1	☼	6020B	Total/NA
Lead	8.4		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2470		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	241		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.3		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1620		105	11.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	119		105	16.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.095	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.9		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-20 (10-18) (Continued) — Lab Sample ID: 460-234830-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	39.5		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
pH	10.4	HF			SU	1		9045D	Total/NA
Corrosivity	10.4	HF			SU	1		9045D	Total/NA
Oil & Grease	1800		660	220	mg/Kg	1	☼	9071B	Total/NA
Total Solids	88.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	1.6	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	23.8		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.14		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	96.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-2 (0-5) — Lab Sample ID: 460-234830-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.090		0.039	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.098		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.15		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.057	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.058		0.039	0.0076	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.033	J	0.39	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.093	J	0.39	0.0066	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.14	J	0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.079		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.062	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.13	J	0.39	0.0096	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.14		0.079	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.14		0.079	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	430		12	12	mg/Kg	5	☼	NJDEP EPH	Total/NA
Barium	0.37	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0071	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.12		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	8430		21.7	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.25	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	91.2		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	22500		108	18.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.1		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	41.3		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	16400		65.1	21.9	mg/Kg	1	☼	6020B	Total/NA
Lead	67.7		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	8340		108	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	182		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.2		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	4020		108	12.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-2 (0-5) (Continued) — Lab Sample ID: 460-234830-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	559		108	16.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.19	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.4		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	89.8		8.7	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.14		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
pH	9.2	HF			SU	1		9045D	Total/NA
Corrosivity	9.2	HF			SU	1		9045D	Total/NA
Oil & Grease	1900		701	234	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.5		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	2.3	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	161		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-2D (3-5) — Lab Sample ID: 460-234830-4

No Detections.

Client Sample ID: WC-1A (0-2) — Lab Sample ID: 460-234830-5

No Detections.

Client Sample ID: WC-1 (0-5) — Lab Sample ID: 460-234830-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.021	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.018	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.025	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.069	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.42		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.44		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.65		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.27	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.25		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.062	J	0.35	0.018	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.026	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.43		0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.083		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.014	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.60		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.014	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.40		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.30	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.57		0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.37		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.37		0.071	0.0097	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	1000		11	11	mg/Kg	5	☼	NJDEP EPH	Total/NA
Barium	0.61	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0083	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.29		0.050	0.012	mg/L	5		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-1 (0-5) (Continued)
Lab Sample ID: 460-234830-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4480		19.4	2.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.4		0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.3		0.97	0.097	mg/Kg	1	☼	6020B	Total/NA
Barium	55.8		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.1		0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	9060		96.9	16.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.0		1.9	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.0		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	83.9		1.9	0.21	mg/Kg	1	☼	6020B	Total/NA
Iron	17500		58.2	19.6	mg/Kg	1	☼	6020B	Total/NA
Lead	173		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3760		96.9	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	256		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.9		1.9	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	586		96.9	10.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.55	J	1.2	0.11	mg/Kg	1	☼	6020B	Total/NA
Silver	0.17	J	0.97	0.086	mg/Kg	1	☼	6020B	Total/NA
Sodium	178		96.9	15.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.9		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	204		7.8	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.20		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	0.82		0.47	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Oil & Grease	2250		620	207	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.2				Degrees C	1		9040C	TCLP
HEM	3.8	J	5.2	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	99.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-1C (3-5)
Lab Sample ID: 460-234918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.00058	J	0.0015	0.00056	mg/Kg	1	☼	8260D	Total/NA
Chloroform	0.0022		0.0015	0.0014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-2D (1-3)
Lab Sample ID: 460-234918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00031	J	0.0013	0.00030	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20C (8-10)
Date Collected: 05/18/21 09:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-1
Matrix: Solid
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00022	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
2-Butanone (MEK)	0.0063	U *	0.0063	0.00046	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
2-Hexanone	0.0063	U	0.0063	0.0021	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Bromoform	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Carbon disulfide	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chlorodibromomethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00042	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Trichloroethene	**0.0012**	**J**	0.0013	0.00040	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1

Client Sample ID: WC-20C (8-10)
Lab Sample ID: 460-234659-1
Date Collected: 05/18/21 09:00
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	05/19/21 21:02	05/21/21 14:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/19/21 21:02*	*05/21/21 14:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*	*05/19/21 21:02*	*05/21/21 14:29*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*	*05/19/21 21:02*	*05/21/21 14:29*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*05/19/21 21:02*	*05/21/21 14:29*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*05/19/21 21:02*	*05/21/21 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/21/21 15:16	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/21/21 15:16	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/21/21 15:16	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/21/21 15:16	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/21/21 15:16	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/21/21 15:16	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/21/21 15:16	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/21/21 15:16	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/21/21 15:16	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/21/21 15:16	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/21/21 15:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*05/21/21 15:16*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/21/21 15:16*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*05/21/21 15:16*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/21/21 15:16*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	**92.0**		1.0	1.0	%			05/20/21 10:18	1

Client Sample ID: WC-20D (13-15)
Lab Sample ID: 460-234659-2
Date Collected: 05/18/21 09:15
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	0.15	0.041	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.029	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	0.15	0.050	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,1,2-Trichloroethane	0.15	U	0.15	0.030	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,1-Dichloroethane	0.15	U	0.15	0.035	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,1-Dichloroethene	0.15	U	0.15	0.038	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,2,3-Trichlorobenzene	0.15	U	0.15	0.051	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,2,4-Trichlorobenzene	0.15	U	0.15	0.039	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50

Client Sample ID: WC-20D (13-15)
Lab Sample ID: 460-234659-2

Date Collected: 05/18/21 09:15
Matrix: Solid

Date Received: 05/18/21 17:00
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.15	U	0.15	0.031	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,2-Dichlorobenzene	**0.15**		0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,2-Dichloroethane	0.15	U	0.15	0.036	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,2-Dichloropropane	0.15	U	0.15	0.026	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,3-Dichlorobenzene	0.15	U	0.15	0.048	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
1,4-Dichlorobenzene	0.15	U	0.15	0.049	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
2-Butanone (MEK)	0.73	U	0.73	0.32	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
2-Hexanone	0.73	U	0.73	0.17	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
4-Methyl-2-pentanone (MIBK)	0.73	U	0.73	0.19	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Acetone	0.73	U	0.73	0.64	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Benzene	0.15	U	0.15	0.029	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Bromoform	0.15	U	0.15	0.026	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Bromomethane	0.15	U	0.15	0.081	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Carbon disulfide	0.15	U	0.15	0.098	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Carbon tetrachloride	0.15	U	0.15	0.048	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chlorobenzene	0.15	U	0.15	0.035	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chlorobromomethane	0.15	U	0.15	0.044	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chlorodibromomethane	0.15	U	0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chloroethane	0.15	U	0.15	0.054	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chloroform	0.15	U	0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Chloromethane	0.15	U	0.15	0.059	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
cis-1,2-Dichloroethene	0.15	U	0.15	0.038	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
cis-1,3-Dichloropropene	0.15	U	0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Cyclohexane	**0.24**		0.15	0.038	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Dichlorobromomethane	0.15	U	0.15	0.022	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Dichlorodifluoromethane	0.15	U	0.15	0.045	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Ethylbenzene	0.15	U	0.15	0.044	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Ethylene Dibromide	0.15	U	0.15	0.028	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Isopropylbenzene	**3.5**		0.15	0.047	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Methyl acetate	0.73	U	0.73	0.11	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Methyl tert-butyl ether	0.15	U	0.15	0.031	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Methylcyclohexane	**3.0**		0.15	0.11	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Methylene Chloride	0.15	U	0.15	0.031	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
m-Xylene & p-Xylene	0.15	U	0.15	0.041	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
o-Xylene	**0.069**	**J**	0.15	0.047	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Styrene	0.15	U	0.15	0.025	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Tetrachloroethene	0.15	U	0.15	0.052	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Toluene	0.15	U	0.15	0.036	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
trans-1,2-Dichloroethene	0.15	U	0.15	0.026	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
trans-1,3-Dichloropropene	0.15	U	0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Trichloroethene	0.15	U	0.15	0.032	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Trichlorofluoromethane	0.15	U	0.15	0.047	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50
Vinyl chloride	0.15	U	0.15	0.029	mg/Kg	☼	05/19/21 20:58	05/22/21 11:50	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1,2-diethyl-	*24*	*J N*	*mg/Kg*	☼	*10.99*	*135-01-3*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Benzene, 1-ethyl-2,4-dimethyl-	*33*	*J N*	*mg/Kg*	☼	*11.30*	*874-41-9*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Benzene, (1-methyl-1-propenyl)-, (E)-	*29*	*J N*	*mg/Kg*	☼	*11.37*	*768-00-3*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
3-Phenylbut-1-ene	*24*	*J N*	*mg/Kg*	☼	*11.73*	*934-10-1*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Unknown	*63*	*J*	*mg/Kg*	☼	*11.82*		*05/19/21 20:58*	*05/22/21 11:50*	*50*

Client Sample ID: WC-20D (13-15)
Lab Sample ID: 460-234659-2
Date Collected: 05/18/21 09:15
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 88.9

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1H-Indene,2,3-dihydro-2,2-dimethyl-	*45*	*J N*	*mg/Kg*	☼	*12.12*	*20836-11-7*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	*38*	*J N*	*mg/Kg*	☼	*12.61*	*2809-64-5*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Unknown	*25*	*J*	*mg/Kg*	☼	*12.74*		*05/19/21 20:58*	*05/22/21 11:50*	*50*
1H-Indene, 2,3-dihydro-1,4,7-trimethyl-	*22*	*J N*	*mg/Kg*	☼	*12.85*	*54340-87-3*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Naphthalene, 1-methyl-	*30*	*J N*	*mg/Kg*	☼	*13.20*	*90-12-0*	*05/19/21 20:58*	*05/22/21 11:50*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*70 - 150*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
4-Bromofluorobenzene	*114*		*62 - 150*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Dibromofluoromethane (Surr)	*118*		*54 - 150*	*05/19/21 20:58*	*05/22/21 11:50*	*50*
Toluene-d8 (Surr)	*117*		*68 - 148*	*05/19/21 20:58*	*05/22/21 11:50*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/21/21 15:42	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/21/21 15:42	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/21/21 15:42	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/21/21 15:42	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/21/21 15:42	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/21/21 15:42	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/21/21 15:42	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/21/21 15:42	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/21/21 15:42	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/21/21 15:42	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/21/21 15:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*		*05/21/21 15:42*	*10*
4-Bromofluorobenzene	*103*		*76 - 120*		*05/21/21 15:42*	*10*
Dibromofluoromethane (Surr)	*115*		*77 - 124*		*05/21/21 15:42*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/21/21 15:42*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	**88.9**		1.0	1.0	%			05/20/21 10:18	1

Client Sample ID: WC-29C (0-2)
Lab Sample ID: 460-234659-3
Date Collected: 05/18/21 10:40
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-29C (0-2)
Date Collected: 05/18/21 10:40
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-3
Matrix: Solid
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00062	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00049	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Acetone	0.0080	U	0.0080	0.0077	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Benzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Carbon disulfide	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chlorobromomethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Cyclohexane	0.0013	U *	0.0013	0.00030	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Methyl acetate	0.0067	U	0.0067	0.0058	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Methylcyclohexane	0.0013	U *	0.0013	0.00067	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	05/19/21 21:03	05/26/21 17:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.0086*	*J*	*mg/Kg*	☼	*2.52*		*05/19/21 21:03*	*05/26/21 17:38*	*1*

Client Sample ID: WC-29C (0-2)
Lab Sample ID: 460-234659-3
Date Collected: 05/18/21 10:40
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 95.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 145*	*05/19/21 21:03*	*05/26/21 17:38*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*05/19/21 21:03*	*05/26/21 17:38*	*1*
Dibromofluoromethane (Surr)	*79*		*48 - 150*	*05/19/21 21:03*	*05/26/21 17:38*	*1*
Toluene-d8 (Surr)	*83*		*80 - 120*	*05/19/21 21:03*	*05/26/21 17:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/21/21 16:07	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/21/21 16:07	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/21/21 16:07	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/21/21 16:07	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/21/21 16:07	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/21/21 16:07	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/21/21 16:07	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/21/21 16:07	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/21/21 16:07	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/21/21 16:07	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/21/21 16:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 123*		*05/21/21 16:07*	*10*
4-Bromofluorobenzene	*106*		*76 - 120*		*05/21/21 16:07*	*10*
Dibromofluoromethane (Surr)	*116*		*77 - 124*		*05/21/21 16:07*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/21/21 16:07*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.1**		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	**95.9**		1.0	1.0	%			05/20/21 10:18	1

Client Sample ID: WC-28A (0-2)
Lab Sample ID: 460-234659-4
Date Collected: 05/18/21 11:20
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
2-Butanone (MEK)	0.0061	U *	0.0061	0.00045	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1

Client Sample ID: WC-28A (0-2)
Date Collected: 05/18/21 11:20
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-4
Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Acetone	0.0073	U	0.0073	0.0070	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Methyl acetate	0.0061	U	0.0061	0.0053	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	05/19/21 21:04	05/21/21 14:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/19/21 21:04*	*05/21/21 14:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*05/19/21 21:04*	*05/21/21 14:52*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*	*05/19/21 21:04*	*05/21/21 14:52*	*1*
Dibromofluoromethane (Surr)	*113*		*48 - 150*	*05/19/21 21:04*	*05/21/21 14:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/19/21 21:04*	*05/21/21 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/21/21 16:32	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/21/21 16:32	10

Client Sample ID: WC-28A (0-2)
Lab Sample ID: 460-234659-4
Date Collected: 05/18/21 11:20
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/21/21 16:32	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/21/21 16:32	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/21/21 16:32	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/21/21 16:32	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/21/21 16:32	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/21/21 16:32	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/21/21 16:32	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/21/21 16:32	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/21/21 16:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 123*		*05/21/21 16:32*	*10*
4-Bromofluorobenzene	*100*		*76 - 120*		*05/21/21 16:32*	*10*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/21/21 16:32*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/21/21 16:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.7**		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	**96.3**		1.0	1.0	%			05/20/21 10:18	1

Client Sample ID: WC-28 (0-5)
Lab Sample ID: 460-234659-5
Date Collected: 05/18/21 11:15
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 94.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Methylnaphthalene	**0.042**	**J**	0.35	0.0098	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-28 (0-5)
Date Collected: 05/18/21 11:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-5
Matrix: Solid
Percent Solids: 94.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Acenaphthene	**0.023**	**J**	0.35	0.010	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Acenaphthylene	**0.039**	**J**	0.35	0.0035	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Anthracene	**0.10**	**J**	0.35	0.011	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzo[a]anthracene	**0.30**		0.035	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzo[a]pyrene	**0.34**		0.035	0.0093	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzo[b]fluoranthene	**0.48**		0.035	0.0091	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzo[g,h,i]perylene	**0.25**	**J**	0.35	0.010	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Benzo[k]fluoranthene	**0.17**		0.035	0.0069	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Bis(2-ethylhexyl) phthalate	**0.044**	**J**	0.35	0.019	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Carbazole	**0.034**	**J**	0.35	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Chrysene	**0.33**	**J**	0.35	0.0059	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Dibenz(a,h)anthracene	**0.069**		0.035	0.015	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Dibenzofuran	**0.032**	**J**	0.35	0.0049	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Fluoranthene	**0.47**		0.35	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Fluorene	**0.027**	**J**	0.35	0.0048	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Indeno[1,2,3-cd]pyrene	**0.25**		0.035	0.014	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Naphthalene	**0.054**	**J**	0.35	0.0061	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Phenanthrene	**0.28**	**J**	0.35	0.0062	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1
Pyrene	**0.56**		0.35	0.0087	mg/Kg	☼	05/20/21 19:36	05/21/21 13:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.79*	*A J*	*mg/Kg*	☼	*2.83*		*05/20/21 19:36*	*05/21/21 13:42*	*1*
n-Decane	*0.069*	*J B*	*mg/Kg*	☼	*4.22*	*124-18-5*	*05/20/21 19:36*	*05/21/21 13:42*	*1*
1,3-Dimethylnaphthalene	*0.037*	*J*	*mg/Kg*	☼	*6.95*	*575-41-7*	*05/20/21 19:36*	*05/21/21 13:42*	*1*

Client Sample ID: WC-28 (0-5)
Date Collected: 05/18/21 11:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-5
Matrix: Solid
Percent Solids: 94.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
n-Octadecane	0.027	J	mg/Kg	☼	8.57	593-45-3	05/20/21 19:36	05/21/21 13:42	1
Unknown	0.43	J	mg/Kg	☼	9.25		05/20/21 19:36	05/21/21 13:42	1
Unknown	0.29	J	mg/Kg	☼	12.48		05/20/21 19:36	05/21/21 13:42	1
Unknown	0.47	J	mg/Kg	☼	14.46		05/20/21 19:36	05/21/21 13:42	1
Unknown	0.29	J	mg/Kg	☼	15.86		05/20/21 19:36	05/21/21 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		10 - 123	05/20/21 19:36	05/21/21 13:42	1
2-Fluorobiphenyl	82		14 - 103	05/20/21 19:36	05/21/21 13:42	1
2-Fluorophenol (Surr)	76		10 - 105	05/20/21 19:36	05/21/21 13:42	1
Nitrobenzene-d5 (Surr)	79		11 - 104	05/20/21 19:36	05/21/21 13:42	1
Phenol-d5 (Surr)	76		15 - 100	05/20/21 19:36	05/21/21 13:42	1
Terphenyl-d14 (Surr)	108		12 - 126	05/20/21 19:36	05/21/21 13:42	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/21/21 11:13	05/22/21 02:27	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/21/21 11:13	05/22/21 02:27	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/21/21 11:13	05/22/21 02:27	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/21/21 11:13	05/22/21 02:27	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/21/21 11:13	05/22/21 02:27	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/21/21 11:13	05/22/21 02:27	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/21/21 11:13	05/22/21 02:27	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/21/21 11:13	05/22/21 02:27	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/21/21 11:13	05/22/21 02:27	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/21/21 11:13	05/22/21 02:27	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/21/21 11:13	05/22/21 02:27	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/21/21 11:13	05/22/21 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		33 - 150	05/21/21 11:13	05/22/21 02:27	1
2-Fluorobiphenyl	66		42 - 127	05/21/21 11:13	05/22/21 02:27	1
2-Fluorophenol (Surr)	38		18 - 72	05/21/21 11:13	05/22/21 02:27	1
Nitrobenzene-d5 (Surr)	88		46 - 137	05/21/21 11:13	05/22/21 02:27	1
Phenol-d5 (Surr)	29		10 - 50	05/21/21 11:13	05/22/21 02:27	1
Terphenyl-d14 (Surr)	62		39 - 150	05/21/21 11:13	05/22/21 02:27	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1

Client Sample ID: WC-28 (0-5)
Date Collected: 05/18/21 11:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-5
Matrix: Solid
Percent Solids: 94.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/20/21 09:19	05/21/21 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/20/21 09:19*	*05/21/21 00:06*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/20/21 09:19*	*05/21/21 00:06*	*1*
Tetrachloro-m-xylene	*68*		*10 - 133*	*05/20/21 09:19*	*05/21/21 00:06*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*05/20/21 09:19*	*05/21/21 00:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/21/21 09:57	05/22/21 22:07	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 22:07	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/21/21 09:57	05/22/21 22:07	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/21/21 09:57	05/22/21 22:07	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/21/21 09:57	05/22/21 22:07	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 22:07	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/21/21 09:57	05/22/21 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*05/21/21 09:57*	*05/22/21 22:07*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*05/21/21 09:57*	*05/22/21 22:07*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*05/21/21 09:57*	*05/22/21 22:07*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*05/21/21 09:57*	*05/22/21 22:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1260	**0.19**		0.071	0.0097	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1
Polychlorinated biphenyls, Total	**0.19**		0.071	0.0097	mg/Kg	☼	05/20/21 09:13	05/21/21 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*37 - 150*	*05/20/21 09:13*	*05/21/21 12:37*	*1*
DCB Decachlorobiphenyl	*105*		*37 - 150*	*05/20/21 09:13*	*05/21/21 12:37*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/20/21 09:13*	*05/21/21 12:37*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*05/20/21 09:13*	*05/21/21 12:37*	*1*

Client Sample ID: WC-28 (0-5)
Date Collected: 05/18/21 11:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-5
Matrix: Solid
Percent Solids: 94.4

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/20/21 23:56	05/21/21 14:27	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/20/21 23:56	05/21/21 14:27	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/20/21 23:56	05/21/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*96*		*65 - 150*	*05/20/21 23:56*	*05/21/21 14:27*	*1*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*	*05/20/21 23:56*	*05/21/21 14:27*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/21/21 22:06	05/22/21 18:23	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/21/21 22:06	05/22/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*41*		*28 - 150*	*05/21/21 22:06*	*05/22/21 18:23*	*1*
2,4-Dichlorophenylacetic acid	*45*		*28 - 150*	*05/21/21 22:06*	*05/22/21 18:23*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**170**		2.1	2.1	mg/Kg	☼	05/20/21 10:36	05/21/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*40 - 140*	*05/20/21 10:36*	*05/21/21 14:27*	*1*
1-Chlorooctadecane	*99*		*40 - 140*	*05/20/21 10:36*	*05/21/21 14:27*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/22/21 22:10	05/23/21 19:13	5
Barium	**0.56**	**J**	1.0	0.066	mg/L		05/22/21 22:10	05/23/21 19:13	5
Cadmium	**0.0037**	**J**	0.020	0.0016	mg/L		05/22/21 22:10	05/23/21 19:13	5
Chromium	0.050	U	0.050	0.025	mg/L		05/22/21 22:10	05/23/21 19:13	5
Lead	**0.16**		0.050	0.012	mg/L		05/22/21 22:10	05/23/21 19:13	5
Selenium	0.10	U	0.10	0.029	mg/L		05/22/21 22:10	05/23/21 19:13	5
Silver	0.050	U	0.050	0.029	mg/L		05/22/21 22:10	05/23/21 19:13	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5980**		20.0	2.6	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Antimony	**0.49**	**J**	1.0	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Arsenic	**3.2**		1.0	0.10	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Barium	**49.6**		2.0	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Beryllium	**0.29**	**J**	0.40	0.057	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Cadmium	**0.22**	**J**	1.0	0.11	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Calcium	**11500**		99.9	17.0	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Chromium	**16.9**		2.0	0.17	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Cobalt	**7.0**		2.0	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Copper	**56.0**		2.0	0.22	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Iron	**13700**		60.0	20.2	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Lead	**99.1**		0.60	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Magnesium	**4170**		99.9	10.2	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Manganese	**233**		4.0	0.40	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1

Client Sample ID: WC-28 (0-5)
Date Collected: 05/18/21 11:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-5
Matrix: Solid
Percent Solids: 94.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	19.6		2.0	0.19	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Potassium	977		99.9	11.2	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Selenium	0.24	J	1.2	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Silver	0.099	J	1.0	0.089	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Sodium	300		99.9	15.6	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Thallium	0.074	J	0.40	0.041	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Vanadium	26.8		2.0	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1
Zinc	77.2		8.0	2.3	mg/Kg	☼	05/27/21 03:42	05/27/21 11:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/21/21 13:50	05/21/21 15:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.017	0.0041	mg/Kg	☼	05/20/21 04:43	05/20/21 10:48	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7	HF			SU			05/27/21 15:54	1
Corrosivity	8.7	HF			SU			05/27/21 15:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.46		0.43	0.14	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/22/21 17:59	05/24/21 14:40	1
Oil & Grease	725		635	212	mg/Kg	☼	05/24/21 18:00	05/25/21 10:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 13:00	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/21/21 11:21	1
Percent Moisture	5.6		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	94.4		1.0	1.0	%			05/20/21 10:18	1
Total Solids	94.8		0.10	0.10	%			05/20/21 08:50	1
Total Volatile Solids	2.2		0.10	0.10	%			05/20/21 08:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6				S.U.			05/27/21 08:28	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.5				S.U.			05/27/21 08:28	1
Temperature	24.2				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.0	J	5.4	1.5	mg/L			05/28/21 15:59	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 23:05	1

Client Sample ID: WC-28 (0-5)
Lab Sample ID: 460-234659-5

Date Collected: 05/18/21 11:15
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 94.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/24/21 17:38	1
Total Solids	**68.0**		10.0	10.0	mg/L			05/21/21 14:00	1

Client Sample ID: WC-29 (0-5)
Lab Sample ID: 460-234659-6

Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 96.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.0045	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.0062	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4-Dimethylphenol	0.34	U	0.34	0.015	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Chloronaphthalene	0.34	U	0.34	0.016	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Methylnaphthalene	**0.055**	**J**	0.34	0.0096	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Nitroaniline	0.34	U	0.34	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
3-Nitroaniline	0.34	U	0.34	0.039	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Chloroaniline	0.34	U	0.34	0.061	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Nitroaniline	0.34	U	0.34	0.039	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
4-Nitrophenol	0.69	U	0.69	0.056	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Acenaphthene	**0.020**	**J**	0.34	0.0098	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Acenaphthylene	**0.063**	**J**	0.34	0.0034	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Anthracene	**0.088**	**J**	0.34	0.010	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzaldehyde	0.34	U	0.34	0.057	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzo[a]anthracene	**0.43**		0.034	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzo[a]pyrene	**0.53**		0.034	0.0091	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzo[b]fluoranthene	**0.73**		0.034	0.0089	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzo[g,h,i]perylene	**0.42**		0.34	0.010	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Benzo[k]fluoranthene	**0.22**		0.034	0.0067	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.027	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Bis(2-ethylhexyl) phthalate	**0.14**	**J**	0.34	0.018	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1

Client Sample ID: WC-29 (0-5)
Date Collected: 05/18/21 12:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-6
Matrix: Solid
Percent Solids: 96.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	**0.019**	**J**	0.34	0.016	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Carbazole	**0.028**	**J**	0.34	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Chrysene	**0.46**		0.34	0.0058	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Dibenz(a,h)anthracene	**0.11**		0.034	0.015	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Dibenzofuran	**0.030**	**J**	0.34	0.0048	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Diethyl phthalate	0.34	U	0.34	0.0050	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Dimethyl phthalate	0.34	U	0.34	0.078	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Di-n-octyl phthalate	**0.023**	**J**	0.34	0.018	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Fluoranthene	**0.59**		0.34	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Fluorene	**0.025**	**J**	0.34	0.0046	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Hexachlorobutadiene	0.069	U	0.069	0.0073	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Indeno[1,2,3-cd]pyrene	**0.42**		0.034	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Isophorone	0.14	U	0.14	0.099	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Naphthalene	**0.053**	**J**	0.34	0.0059	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Nitrobenzene	0.034	U	0.034	0.0082	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Pentachlorophenol	0.28	U	0.28	0.070	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Phenanthrene	**0.34**		0.34	0.0060	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1
Pyrene	**0.80**		0.34	0.0085	mg/Kg	☼	05/20/21 19:36	05/21/21 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.68*	*A J*	*mg/Kg*	☼	*2.83*		*05/20/21 19:36*	*05/21/21 14:04*	*1*
Unknown	*0.92*	*J*	*mg/Kg*	☼	*9.25*		*05/20/21 19:36*	*05/21/21 14:04*	*1*
1,1'-Biphenyl, 2,2',4,4',5-pentachloro-	*0.98*	*J N*	*mg/Kg*	☼	*9.92*	*38380-01-7*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
Pyrene, 1-methyl-	*1.1*	*J N*	*mg/Kg*	☼	*10.36*	*2381-21-7*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*10.56*		*05/20/21 19:36*	*05/21/21 14:04*	*1*
Unknown	*0.52*	*J*	*mg/Kg*	☼	*14.46*		*05/20/21 19:36*	*05/21/21 14:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
2-Fluorobiphenyl	*78*		*14 - 103*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 105*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
Nitrobenzene-d5 (Surr)	*76*		*11 - 104*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
Phenol-d5 (Surr)	*70*		*15 - 100*	*05/20/21 19:36*	*05/21/21 14:04*	*1*
Terphenyl-d14 (Surr)	*100*		*12 - 126*	*05/20/21 19:36*	*05/21/21 14:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/23/21 07:25	05/23/21 21:35	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/23/21 07:25	05/23/21 21:35	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/23/21 07:25	05/23/21 21:35	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/21 07:25	05/23/21 21:35	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/23/21 07:25	05/23/21 21:35	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-29 (0-5)
Date Collected: 05/18/21 12:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-6
Matrix: Solid
Percent Solids: 96.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/23/21 07:25	05/23/21 21:35	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/21 07:25	05/23/21 21:35	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/23/21 07:25	05/23/21 21:35	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/23/21 07:25	05/23/21 21:35	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/23/21 07:25	05/23/21 21:35	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/21 07:25	05/23/21 21:35	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/21 07:25	05/23/21 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*	*05/23/21 07:25*	*05/23/21 21:35*	*1*
2-Fluorobiphenyl	*94*		*42 - 127*	*05/23/21 07:25*	*05/23/21 21:35*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/23/21 07:25*	*05/23/21 21:35*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*05/23/21 07:25*	*05/23/21 21:35*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/23/21 07:25*	*05/23/21 21:35*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 150*	*05/23/21 07:25*	*05/23/21 21:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
4,4'-DDE	0.0069	U	0.0069	0.00082	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	05/20/21 09:19	05/21/21 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/20/21 09:19*	*05/21/21 00:20*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*05/20/21 09:19*	*05/21/21 00:20*	*1*
Tetrachloro-m-xylene	*65*		*10 - 133*	*05/20/21 09:19*	*05/21/21 00:20*	*1*
Tetrachloro-m-xylene	*66*		*10 - 133*	*05/20/21 09:19*	*05/21/21 00:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/23/21 15:43	05/24/21 10:05	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 10:05	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/23/21 15:43	05/24/21 10:05	1

Client Sample ID: WC-29 (0-5)
Date Collected: 05/18/21 12:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-6
Matrix: Solid
Percent Solids: 96.6

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/23/21 15:43	05/24/21 10:05	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/23/21 15:43	05/24/21 10:05	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 10:05	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/23/21 15:43	05/24/21 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*05/23/21 15:43*	*05/24/21 10:05*	*1*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*05/23/21 15:43*	*05/24/21 10:05*	*1*
Tetrachloro-m-xylene	*93*		*10 - 150*	*05/23/21 15:43*	*05/24/21 10:05*	*1*
Tetrachloro-m-xylene	*96*		*10 - 150*	*05/23/21 15:43*	*05/24/21 10:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.14	U	0.14	0.018	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1221	0.14	U	0.14	0.018	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1232	0.14	U	0.14	0.018	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1242	0.14	U	0.14	0.018	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1248	0.14	U	0.14	0.018	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1254	**1.7**		0.14	0.019	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1260	0.14	U	0.14	0.019	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor-1262	0.14	U	0.14	0.019	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Aroclor 1268	0.14	U	0.14	0.019	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2
Polychlorinated biphenyls, Total	**1.7**		0.14	0.019	mg/Kg	☼	05/20/21 09:13	05/21/21 16:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*37 - 150*	*05/20/21 09:13*	*05/21/21 16:22*	*2*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/20/21 09:13*	*05/21/21 16:22*	*2*
Tetrachloro-m-xylene	*88*		*54 - 150*	*05/20/21 09:13*	*05/21/21 16:22*	*2*
Tetrachloro-m-xylene	*94*		*54 - 150*	*05/20/21 09:13*	*05/21/21 16:22*	*2*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.034	U	0.034	0.0073	mg/Kg	☼	05/20/21 23:56	05/21/21 14:40	1
2,4-D	0.034	U	0.034	0.013	mg/Kg	☼	05/20/21 23:56	05/21/21 14:40	1
Silvex (2,4,5-TP)	0.034	U	0.034	0.0036	mg/Kg	☼	05/20/21 23:56	05/21/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*	*05/20/21 23:56*	*05/21/21 14:40*	*1*
2,4-Dichlorophenylacetic acid	*123*		*65 - 150*	*05/20/21 23:56*	*05/21/21 14:40*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/23/21 22:17	05/24/21 11:39	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/23/21 22:17	05/24/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*46*		*28 - 150*	*05/23/21 22:17*	*05/24/21 11:39*	*1*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*05/23/21 22:17*	*05/24/21 11:39*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-29 (0-5)

Date Collected: 05/18/21 12:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-6

Matrix: Solid
Percent Solids: 96.6

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**460**		2.1	2.1	mg/Kg	☼	05/20/21 10:36	05/21/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*40 - 140*	*05/20/21 10:36*	*05/21/21 14:10*	*1*
1-Chlorooctadecane	*105*		*40 - 140*	*05/20/21 10:36*	*05/21/21 14:10*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/23/21 15:50	05/25/21 12:45	5
Barium	**0.57**	**J**	1.0	0.066	mg/L		05/23/21 15:50	05/25/21 12:45	5
Cadmium	**0.0066**	**J**	0.020	0.0016	mg/L		05/23/21 15:50	05/25/21 12:45	5
Chromium	0.050	U	0.050	0.025	mg/L		05/23/21 15:50	05/25/21 12:45	5
Lead	**0.19**		0.050	0.012	mg/L		05/23/21 15:50	05/25/21 12:45	5
Selenium	0.10	U	0.10	0.029	mg/L		05/23/21 15:50	05/25/21 12:45	5
Silver	0.050	U	0.050	0.029	mg/L		05/23/21 15:50	05/25/21 12:45	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4810**		19.7	2.6	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Antimony	**1.7**		0.99	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Arsenic	**21.4**		0.99	0.099	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Barium	**67.3**		2.0	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Beryllium	**0.33**	**J**	0.39	0.056	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Cadmium	**0.60**	**J**	0.99	0.11	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Calcium	**11400**		98.6	16.8	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Chromium	**17.0**		2.0	0.17	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Cobalt	**5.9**		2.0	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Copper	**105**		2.0	0.22	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Iron	**20800**		59.2	19.9	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Lead	**248**		0.59	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Magnesium	**3720**		98.6	10.1	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Manganese	**253**		3.9	0.40	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Nickel	**20.1**		2.0	0.19	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Potassium	**813**		98.6	11.0	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Selenium	**0.50**	**J**	1.2	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Silver	**0.16**	**J**	0.99	0.088	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Sodium	**560**		98.6	15.4	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Thallium	**0.25**	**J**	0.39	0.040	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Vanadium	**26.6**		2.0	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1
Zinc	**119**		7.9	2.3	mg/Kg	☼	05/27/21 03:42	05/27/21 12:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000094**	**J B**	0.00020	0.000091	mg/L		05/26/21 13:39	05/26/21 15:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.017	0.0041	mg/Kg	☼	05/20/21 04:43	05/20/21 10:15	1

Client Sample ID: WC-29 (0-5)
Lab Sample ID: 460-234659-6

Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 96.6

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.1**	**HF**			SU			05/27/21 16:00	1
Corrosivity	**9.1**	**HF**			SU			05/27/21 16:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**1.2**		0.44	0.15	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	05/22/21 17:59	05/24/21 14:41	1
Oil & Grease	**1840**		601	200	mg/Kg	☼	05/24/21 18:00	05/25/21 10:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/21/21 13:00	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:25	05/21/21 16:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/21/21 11:21	1
Percent Moisture	**3.4**		1.0	1.0	%			05/20/21 10:18	1
Percent Solids	**96.6**		1.0	1.0	%			05/20/21 10:18	1
Total Solids	**94.9**		0.10	0.10	%			05/20/21 08:50	1
Total Volatile Solids	**5.8**		0.10	0.10	%			05/20/21 08:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.8**				S.U.			05/27/21 08:28	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.6**				S.U.			05/27/21 08:28	1
Temperature	**24.2**				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.6**	**J**	5.2	1.5	mg/L			05/28/21 15:59	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 23:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/24/21 17:38	1
Total Solids	**87.0**		10.0	10.0	mg/L			05/21/21 14:00	1

Client Sample ID: WC-20 (5-10)
Lab Sample ID: 460-234830-1

Date Collected: 05/20/21 08:00
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 88.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.081**	**J**	0.38	0.0050	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0068	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.025	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20 (5-10)
Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1
Matrix: Solid
Percent Solids: 88.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Chloronaphthalene	0.38	U	0.38	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Methylnaphthalene	**0.44**		0.38	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
3-Nitroaniline	0.38	U	0.38	0.042	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Acenaphthene	**0.69**		0.38	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Acenaphthylene	**0.057**	**J**	0.38	0.0038	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Anthracene	**0.81**		0.38	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzaldehyde	0.38	U	0.38	0.062	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzo[a]anthracene	**1.8**		0.038	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzo[a]pyrene	**1.6**		0.038	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzo[b]fluoranthene	**1.9**		0.038	0.0097	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzo[g,h,i]perylene	**0.82**		0.38	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Benzo[k]fluoranthene	**0.71**		0.038	0.0074	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.029	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Bis(2-ethylhexyl) phthalate	**0.12**	**J**	0.38	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Carbazole	**0.35**	**J**	0.38	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Chrysene	**1.7**		0.38	0.0064	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Dibenz(a,h)anthracene	**0.24**		0.038	0.016	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Dibenzofuran	**0.34**	**J**	0.38	0.0053	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Diethyl phthalate	0.38	U	0.38	0.0054	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Dimethyl phthalate	0.38	U	0.38	0.085	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Fluoranthene	**3.7**		0.38	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Fluorene	**0.65**		0.38	0.0051	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Indeno[1,2,3-cd]pyrene	**1.1**		0.038	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1

Client Sample ID: WC-20 (5-10)
Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1
Matrix: Solid
Percent Solids: 88.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Naphthalene	**0.44**		0.38	0.0065	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Nitrobenzene	0.038	U	0.038	0.0090	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Phenanthrene	**4.7**		0.38	0.0066	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1
Pyrene	**3.5**		0.38	0.0094	mg/Kg	☼	05/21/21 19:22	05/23/21 03:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Naphthalene, 2,6-dimethyl-	*1.7*	*J N*	*mg/Kg*	☼	*5.32*	*581-42-0*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Undecane	*4.2*	*J N*	*mg/Kg*	☼	*5.41*	*1120-21-4*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Naphthalene, 2-(1-methylethyl)-	*1.5*	*J N*	*mg/Kg*	☼	*5.66*	*2027-17-0*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Naphthalene, 2,3,6-trimethyl-	*2.3*	*J N*	*mg/Kg*	☼	*5.77*	*829-26-5*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Naphthalene, 1,6,7-trimethyl-	*2.4*	*J N*	*mg/Kg*	☼	*5.82*	*2245-38-7*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Naphthalene, 1,4,6-trimethyl-	*1.8*	*J N*	*mg/Kg*	☼	*5.89*	*2131-42-2*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Tetradecane	*5.5*	*J N*	*mg/Kg*	☼	*5.95*	*629-59-4*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
1,1'-Biphenyl, 4-methyl-	*2.1*	*J N*	*mg/Kg*	☼	*6.03*	*644-08-6*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Tridecane	*4.8*	*J N*	*mg/Kg*	☼	*6.12*	*629-50-5*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Tridecane, 5-propyl-	*12*	*J N*	*mg/Kg*	☼	*6.33*	*55045-11-9*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
9H-Fluorene, 2-methyl-	*1.6*	*J N*	*mg/Kg*	☼	*6.41*	*1430-97-3*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Unknown	*2.2*	*J*	*mg/Kg*	☼	*6.46*		*05/21/21 19:22*	*05/23/21 03:29*	*1*
Pentadecane	*4.7*	*J N*	*mg/Kg*	☼	*6.65*	*629-62-9*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Hexadecane, 2,6,10,14-tetramethyl-	*3.9*	*J N*	*mg/Kg*	☼	*6.68*	*638-36-8*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Heptadecane	*4.5*	*J N*	*mg/Kg*	☼	*6.97*	*629-78-7*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
1H-Cyclopropa[l]phenanthrene,1a,9b -dihydro-	*2.5*	*J N*	*mg/Kg*	☼	*7.09*	*949-41-7*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Phenanthrene, 4-methyl-	*1.7*	*J N*	*mg/Kg*	☼	*7.15*	*832-64-4*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Eicosane	*3.0*	*J N*	*mg/Kg*	☼	*7.28*	*112-95-8*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Phenanthrene, 2,5-dimethyl-	*1.9*	*J N*	*mg/Kg*	☼	*7.49*	*3674-66-6*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Hexadecane	*1.9*	*J N*	*mg/Kg*	☼	*7.57*	*544-76-3*	*05/21/21 19:22*	*05/23/21 03:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 123*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
2-Fluorobiphenyl	*82*		*14 - 103*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
2-Fluorophenol (Surr)	*86*		*10 - 105*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Phenol-d5 (Surr)	*84*		*15 - 100*	*05/21/21 19:22*	*05/23/21 03:29*	*1*
Terphenyl-d14 (Surr)	*92*		*12 - 126*	*05/21/21 19:22*	*05/23/21 03:29*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/26/21 23:26	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/26/21 23:26	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/26/21 23:26	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/26/21 23:26	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/26/21 23:26	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/26/21 23:26	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/26/21 23:26	1

Client Sample ID: WC-20 (5-10)
Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1
Matrix: Solid
Percent Solids: 88.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/26/21 23:26	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/26/21 23:26	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/26/21 23:26	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/26/21 23:26	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/26/21 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*33 - 150*	*05/26/21 10:01*	*05/26/21 23:26*	*1*
2-Fluorobiphenyl	*76*		*42 - 127*	*05/26/21 10:01*	*05/26/21 23:26*	*1*
2-Fluorophenol (Surr)	*57*		*18 - 72*	*05/26/21 10:01*	*05/26/21 23:26*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 137*	*05/26/21 10:01*	*05/26/21 23:26*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*05/26/21 10:01*	*05/26/21 23:26*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 150*	*05/26/21 10:01*	*05/26/21 23:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	☼	05/22/21 13:53	05/23/21 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 150*	*05/22/21 13:53*	*05/23/21 02:04*	*1*
DCB Decachlorobiphenyl	*51*		*10 - 150*	*05/22/21 13:53*	*05/23/21 02:04*	*1*
Tetrachloro-m-xylene	*52*		*10 - 133*	*05/22/21 13:53*	*05/23/21 02:04*	*1*
Tetrachloro-m-xylene	*52*		*10 - 133*	*05/22/21 13:53*	*05/23/21 02:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 05:37	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:37	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 05:37	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 05:37	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 05:37	1

Client Sample ID: WC-20 (5-10)
Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1
Matrix: Solid
Percent Solids: 88.0

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:37	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:37*	*1*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:37*	*1*
Tetrachloro-m-xylene	*62*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:37*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1260	**0.11**		0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1
Polychlorinated biphenyls, Total	**0.11**		0.076	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*37 - 150*	*05/22/21 13:49*	*05/23/21 03:20*	*1*
DCB Decachlorobiphenyl	*87*		*37 - 150*	*05/22/21 13:49*	*05/23/21 03:20*	*1*
Tetrachloro-m-xylene	*68*		*54 - 150*	*05/22/21 13:49*	*05/23/21 03:20*	*1*
Tetrachloro-m-xylene	*70*		*54 - 150*	*05/22/21 13:49*	*05/23/21 03:20*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	05/21/21 22:08	05/22/21 17:42	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/21/21 22:08	05/22/21 17:42	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	05/21/21 22:08	05/22/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*05/21/21 22:08*	*05/22/21 17:42*	*1*
2,4-Dichlorophenylacetic acid	*106*		*65 - 150*	*05/21/21 22:08*	*05/22/21 17:42*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:26	05/27/21 08:27	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:26	05/27/21 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:27*	*1*
2,4-Dichlorophenylacetic acid	*91*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:27*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**970**		11	11	mg/Kg	☼	05/23/21 14:33	05/25/21 14:13	5

Client Sample ID: WC-20 (5-10)
Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1
Matrix: Solid
Percent Solids: 88.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:13*	*5*
1-Chlorooctadecane	*117*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:13*	*5*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**	**J**	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 15:40	5
Barium	**0.36**	**J**	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 15:40	5
Cadmium	**0.0059**	**J**	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 15:40	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 15:40	5
Lead	**0.038**	**J**	0.050	0.012	mg/L		05/27/21 03:28	05/27/21 15:40	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 15:40	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 15:40	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5520**		20.9	2.7	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Antimony	**0.33**	**J**	1.0	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Arsenic	**183**		1.0	0.10	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Barium	**38.2**		2.1	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Beryllium	**0.31**	**J**	0.42	0.059	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Cadmium	**0.66**	**J**	1.0	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Calcium	**61600**		521	88.6	mg/Kg	☼	05/27/21 03:42	05/27/21 12:28	5
Chromium	**11.2**		2.1	0.18	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Cobalt	**4.7**		2.1	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Copper	**28.7**		2.1	0.23	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Iron	**10900**		62.6	21.1	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Lead	**45.9**		0.63	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Magnesium	**17800**		104	10.6	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Manganese	**251**		4.2	0.42	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Nickel	**17.6**		2.1	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Potassium	**954**		104	11.7	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Selenium	**0.41**	**J**	1.3	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Sodium	**425**		104	16.3	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Thallium	**1.6**		0.42	0.043	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Vanadium	**43.7**		2.1	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1
Zinc	**104**		8.3	2.4	mg/Kg	☼	05/27/21 03:42	05/27/21 12:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00012**	**J B**	0.00020	0.000091	mg/L		05/26/21 13:39	05/26/21 15:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.019	0.0045	mg/Kg	☼	05/24/21 04:32	05/24/21 09:55	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.5**	**HF**			SU			05/27/21 16:06	1
Corrosivity	**10.5**	**HF**			SU			05/27/21 16:06	1

Client Sample ID: WC-20 (5-10)
Lab Sample ID: 460-234830-1

Date Collected: 05/20/21 08:00
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 88.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.44**	**J**	0.47	0.16	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.27	U	0.27	0.15	mg/Kg	☼	05/27/21 08:06	05/27/21 12:36	1
Oil & Grease	**391**	**J**	670	223	mg/Kg	☼	05/24/21 18:00	05/25/21 10:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/26/21 12:07	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/27/21 19:46	05/27/21 19:53	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/27/21 19:39	05/27/21 19:50	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/27/21 10:15	1
Percent Moisture	**12.0**		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	**88.0**		1.0	1.0	%			05/24/21 11:11	1
Total Solids	**89.1**		0.10	0.10	%			05/24/21 09:45	1
Total Volatile Solids	**4.0**		0.10	0.10	%			05/24/21 09:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.0**				S.U.			05/27/21 08:28	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.8**				S.U.			05/27/21 08:28	1
Temperature	**24.2**				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.8**	**J**	5.4	1.5	mg/L			05/28/21 15:59	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**12.6**		10.0	10.0	mg/Kg			05/25/21 17:45	1
Total Solids	**381**		10.0	10.0	mg/L			05/25/21 14:13	1

Client Sample ID: WC-20 (10-18)
Lab Sample ID: 460-234830-2

Date Collected: 05/20/21 08:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 89.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20 (10-18)
Date Collected: 05/20/21 08:05
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-2
Matrix: Solid
Percent Solids: 89.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**3.8**		0.37	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Acenaphthene	**1.1**		0.37	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Acenaphthylene	0.37	U	0.37	0.0037	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Anthracene	**0.47**		0.37	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzo[a]anthracene	**0.18**		0.037	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzo[a]pyrene	**0.12**		0.037	0.0099	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzo[b]fluoranthene	**0.14**		0.037	0.0096	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzo[g,h,i]perylene	**0.063**	**J**	0.37	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Benzo[k]fluoranthene	**0.057**		0.037	0.0073	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Bis(2-ethylhexyl) phthalate	**0.22**	**J**	0.37	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Chrysene	**0.22**	**J**	0.37	0.0063	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Dibenzofuran	**0.99**		0.37	0.0052	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Fluoranthene	**0.43**		0.37	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Fluorene	**2.4**		0.37	0.0050	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Indeno[1,2,3-cd]pyrene	**0.081**		0.037	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Nitrobenzene	0.037	U	0.037	0.0089	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1

Client Sample ID: WC-20 (10-18)
Date Collected: 05/20/21 08:05
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-2
Matrix: Solid
Percent Solids: 89.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Phenanthrene	**5.4**		0.37	0.0065	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1
Pyrene	**0.96**		0.37	0.0092	mg/Kg	☼	05/21/21 19:22	05/23/21 03:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*17*	*J*	*mg/Kg*	☼	*3.96*		*05/21/21 19:22*	*05/23/21 03:47*	*1*
1-Phenyl-1-butene	*15*	*J N*	*mg/Kg*	☼	*4.04*	*824-90-8*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Unknown	*27*	*J*	*mg/Kg*	☼	*4.33*		*05/21/21 19:22*	*05/23/21 03:47*	*1*
Unknown	*37*	*J*	*mg/Kg*	☼	*4.62*		*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1-methyl-	*22*	*J N*	*mg/Kg*	☼	*4.87*	*90-12-0*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Decahydro-4,4,8,9,10-pentamethylnaphthalene	*19*	*J N*	*mg/Kg*	☼	*5.15*	*80655-44-3*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl-	*18*	*J N*	*mg/Kg*	☼	*5.20*	*4175-54-6*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1-ethyl-	*16*	*J N*	*mg/Kg*	☼	*5.23*	*1127-76-0*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 2,6-dimethyl-	*26*	*J N*	*mg/Kg*	☼	*5.29*	*581-42-0*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 2,3-dimethyl-	*45*	*J N*	*mg/Kg*	☼	*5.35*	*581-40-8*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1,6-dimethyl-	*24*	*J N*	*mg/Kg*	☼	*5.37*	*575-43-9*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Unknown	*15*	*J*	*mg/Kg*	☼	*5.39*		*05/21/21 19:22*	*05/23/21 03:47*	*1*
Unknown	*68*	*J*	*mg/Kg*	☼	*5.44*		*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1,6,7-trimethyl-	*17*	*J N*	*mg/Kg*	☼	*5.64*	*2245-38-7*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1,4,6-trimethyl-	*25*	*J N*	*mg/Kg*	☼	*5.69*	*2131-42-2*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Azulene, 4,6,8-trimethyl-	*24*	*J N*	*mg/Kg*	☼	*5.80*	*941-81-1*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 2,3,6-trimethyl-	*26*	*J N*	*mg/Kg*	☼	*5.85*	*829-26-5*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Naphthalene, 1,4,5-trimethyl-	*17*	*J N*	*mg/Kg*	☼	*5.92*	*2131-41-1*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Tridecane	*22*	*J N*	*mg/Kg*	☼	*6.15*	*629-50-5*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Hexadecane	*33*	*J N*	*mg/Kg*	☼	*6.36*	*544-76-3*	*05/21/21 19:22*	*05/23/21 03:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 123*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
2-Fluorobiphenyl	*74*		*14 - 103*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Nitrobenzene-d5 (Surr)	*99*		*11 - 104*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Phenol-d5 (Surr)	*80*		*15 - 100*	*05/21/21 19:22*	*05/23/21 03:47*	*1*
Terphenyl-d14 (Surr)	*88*		*12 - 126*	*05/21/21 19:22*	*05/23/21 03:47*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/26/21 23:47	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/26/21 23:47	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/26/21 23:47	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/26/21 23:47	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/26/21 23:47	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/26/21 23:47	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/26/21 23:47	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/26/21 23:47	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/26/21 23:47	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/26/21 23:47	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/26/21 23:47	1

Client Sample ID: WC-20 (10-18)
Lab Sample ID: 460-234830-2
Date Collected: 05/20/21 08:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 89.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/26/21 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*33 - 150*	*05/26/21 10:01*	*05/26/21 23:47*	*1*
2-Fluorobiphenyl	*66*		*42 - 127*	*05/26/21 10:01*	*05/26/21 23:47*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*05/26/21 10:01*	*05/26/21 23:47*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*05/26/21 10:01*	*05/26/21 23:47*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/26/21 10:01*	*05/26/21 23:47*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 150*	*05/26/21 10:01*	*05/26/21 23:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/22/21 13:53	05/23/21 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:48*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:48*	*1*
Tetrachloro-m-xylene	*74*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:48*	*1*
Tetrachloro-m-xylene	*74*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 05:50	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:50	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 05:50	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 05:50	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 05:50	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:50	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:50*	*1*

Client Sample ID: WC-20 (10-18)
Lab Sample ID: 460-234830-2
Date Collected: 05/20/21 08:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:50*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:50*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*05/26/21 10:10*	*05/27/21 05:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1221	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1232	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1242	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1248	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1260	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*37 - 150*	*05/22/21 13:49*	*05/23/21 03:40*	*1*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*05/22/21 13:49*	*05/23/21 03:40*	*1*
Tetrachloro-m-xylene	*80*		*54 - 150*	*05/22/21 13:49*	*05/23/21 03:40*	*1*
Tetrachloro-m-xylene	*90*		*54 - 150*	*05/22/21 13:49*	*05/23/21 03:40*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/21/21 22:08	05/22/21 17:55	1
2,4-D	0.037	U	0.037	0.014	mg/Kg	☼	05/21/21 22:08	05/22/21 17:55	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/21/21 22:08	05/22/21 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*93*		*65 - 150*	*05/21/21 22:08*	*05/22/21 17:55*	*1*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*	*05/21/21 22:08*	*05/22/21 17:55*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:26	05/27/21 08:40	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:26	05/27/21 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:40*	*1*
2,4-Dichlorophenylacetic acid	*93*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:40*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**4600**		45	45	mg/Kg	☼	05/23/21 14:33	05/25/21 14:27	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*	*40 - 140*	*05/23/21 14:33*	*05/25/21 14:27*	*20*
1-Chlorooctadecane	*0*	*	*40 - 140*	*05/23/21 14:33*	*05/25/21 14:27*	*20*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20 (10-18)

Date Collected: 05/20/21 08:05
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-2

Matrix: Solid
Percent Solids: 89.4

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 15:44	5
Barium	**0.62**	**J**	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 15:44	5
Cadmium	**0.0023**	**J**	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 15:44	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 15:44	5
Lead	**0.16**		0.050	0.012	mg/L		05/27/21 03:28	05/27/21 15:44	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 15:44	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 15:44	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4890**		20.9	2.7	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Arsenic	**1.4**		1.0	0.10	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Barium	**52.5**		2.1	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Beryllium	**0.34**	**J**	0.42	0.060	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Cadmium	1.0	U	1.0	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Calcium	**1700**		105	17.8	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Chromium	**13.9**		2.1	0.18	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Cobalt	**5.3**		2.1	0.15	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Copper	**14.8**		2.1	0.23	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Iron	**11200**		62.8	21.1	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Lead	**8.4**		0.63	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Magnesium	**2470**		105	10.7	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Manganese	**241**		4.2	0.42	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Nickel	**13.3**		2.1	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Potassium	**1620**		105	11.7	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Sodium	**119**		105	16.3	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Thallium	**0.095**	**J**	0.42	0.043	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Vanadium	**26.9**		2.1	0.22	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1
Zinc	**39.5**		8.4	2.4	mg/Kg	☼	05/27/21 03:42	05/27/21 12:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/26/21 13:39	05/26/21 15:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg	☼	05/24/21 04:32	05/24/21 09:57	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.4**	**HF**			SU			05/27/21 16:09	1
Corrosivity	**10.4**	**HF**			SU			05/27/21 16:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	U	0.47	0.16	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/27/21 08:06	05/27/21 12:36	1
Oil & Grease	**1800**		660	220	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Client Sample ID: WC-20 (10-18)
Lab Sample ID: 460-234830-2

Date Collected: 05/20/21 08:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 89.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/26/21 12:07	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/27/21 19:46	05/27/21 19:53	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/27/21 19:39	05/27/21 19:50	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/27/21 10:15	1
Percent Moisture	**10.6**		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	**89.4**		1.0	1.0	%			05/24/21 11:11	1
Total Solids	**88.8**		0.10	0.10	%			05/24/21 09:45	1
Total Volatile Solids	**1.3**		0.10	0.10	%			05/24/21 09:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**				S.U.			05/27/21 08:28	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			05/27/21 08:28	1
Temperature	**24.2**				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.6**	**J**	5.3	1.5	mg/L			05/28/21 15:59	1
Ammonia	**0.14**		0.10	0.050	mg/L			06/06/21 18:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**23.8**		10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**96.0**		10.0	10.0	mg/L			05/25/21 14:13	1

Client Sample ID: WC-2 (0-5)
Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 85.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0051	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0070	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Nitroaniline	0.39	U	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-2 (0-5)
Date Collected: 05/20/21 09:10
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-3
Matrix: Solid
Percent Solids: 85.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Acenaphthylene	0.39	U	0.39	0.0039	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzo[a]anthracene	**0.090**		0.039	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzo[a]pyrene	**0.098**		0.039	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzo[b]fluoranthene	**0.15**		0.039	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzo[g,h,i]perylene	**0.057**	**J**	0.39	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Benzo[k]fluoranthene	**0.058**		0.039	0.0076	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Bis(2-ethylhexyl) phthalate	**0.033**	**J**	0.39	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Chrysene	**0.093**	**J**	0.39	0.0066	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Dibenzofuran	0.39	U	0.39	0.0054	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Diethyl phthalate	0.39	U	0.39	0.0056	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Fluoranthene	**0.14**	**J**	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Fluorene	0.39	U	0.39	0.0053	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Hexachlorobutadiene	0.079	U	0.079	0.0082	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Indeno[1,2,3-cd]pyrene	**0.079**		0.039	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Nitrobenzene	0.039	U	0.039	0.0093	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Phenanthrene	**0.062**	**J**	0.39	0.0068	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-2 (0-5)
Date Collected: 05/20/21 09:10
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-3
Matrix: Solid
Percent Solids: 85.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.13	J	0.39	0.0096	mg/Kg	☼	05/21/21 19:22	05/23/21 04:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.59*	*A J*	*mg/Kg*	☼	*2.18*		*05/21/21 19:22*	*05/23/21 04:04*	*1*
Unknown	*0.33*	*J*	*mg/Kg*	☼	*9.43*		*05/21/21 19:22*	*05/23/21 04:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 123*	*05/21/21 19:22*	*05/23/21 04:04*	*1*
2-Fluorobiphenyl	*79*		*14 - 103*	*05/21/21 19:22*	*05/23/21 04:04*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 105*	*05/21/21 19:22*	*05/23/21 04:04*	*1*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*	*05/21/21 19:22*	*05/23/21 04:04*	*1*
Phenol-d5 (Surr)	*80*		*15 - 100*	*05/21/21 19:22*	*05/23/21 04:04*	*1*
Terphenyl-d14 (Surr)	*89*		*12 - 126*	*05/21/21 19:22*	*05/23/21 04:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/27/21 00:08	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/27/21 00:08	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/27/21 00:08	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/27/21 00:08	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/27/21 00:08	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/27/21 00:08	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/27/21 00:08	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/27/21 00:08	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/27/21 00:08	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/27/21 00:08	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/27/21 00:08	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/27/21 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*33 - 150*	*05/26/21 10:01*	*05/27/21 00:08*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*05/26/21 10:01*	*05/27/21 00:08*	*1*
2-Fluorophenol (Surr)	*58*		*18 - 72*	*05/26/21 10:01*	*05/27/21 00:08*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*	*05/26/21 10:01*	*05/27/21 00:08*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*05/26/21 10:01*	*05/27/21 00:08*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 150*	*05/26/21 10:01*	*05/27/21 00:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0013	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
4,4'-DDE	0.0079	U	0.0079	0.00093	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
4,4'-DDT	0.0079	U	0.0079	0.0014	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
alpha-BHC	0.0023	U	0.0023	0.00080	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Endosulfan sulfate	0.0079	U	0.0079	0.00098	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1

Client Sample ID: WC-2 (0-5)
Date Collected: 05/20/21 09:10
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-3
Matrix: Solid
Percent Solids: 85.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00073	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Heptachlor	0.0079	U	0.0079	0.00093	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1
Toxaphene	0.079	U	0.079	0.028	mg/Kg	☼	05/22/21 13:53	05/23/21 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:33*	*1*
DCB Decachlorobiphenyl	*63*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:33*	*1*
Tetrachloro-m-xylene	*71*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:33*	*1*
Tetrachloro-m-xylene	*71*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 06:02	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 06:02	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 06:02	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 06:02	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 06:02	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 06:02	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:02*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:02*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:02*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1221	0.079	U	0.079	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1232	0.079	U	0.079	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1242	0.079	U	0.079	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1248	0.079	U	0.079	0.010	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1260	**0.14**		0.079	0.011	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1
Polychlorinated biphenyls, Total	**0.14**		0.079	0.011	mg/Kg	☼	05/22/21 13:49	05/23/21 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*37 - 150*	*05/22/21 13:49*	*05/23/21 04:02*	*1*
DCB Decachlorobiphenyl	*104*		*37 - 150*	*05/22/21 13:49*	*05/23/21 04:02*	*1*
Tetrachloro-m-xylene	*87*		*54 - 150*	*05/22/21 13:49*	*05/23/21 04:02*	*1*
Tetrachloro-m-xylene	*93*		*54 - 150*	*05/22/21 13:49*	*05/23/21 04:02*	*1*

Client Sample ID: WC-2 (0-5)
Date Collected: 05/20/21 09:10
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-3
Matrix: Solid
Percent Solids: 85.3

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0083	mg/Kg	☼	05/21/21 22:08	05/22/21 18:09	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	05/21/21 22:08	05/22/21 18:09	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	05/21/21 22:08	05/22/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/21/21 22:08*	*05/22/21 18:09*	*1*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*	*05/21/21 22:08*	*05/22/21 18:09*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:26	05/27/21 08:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:26	05/27/21 08:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:54*	*1*
2,4-Dichlorophenylacetic acid	*86*		*28 - 150*	*05/26/21 14:26*	*05/27/21 08:54*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**430**		12	12	mg/Kg	☼	05/23/21 14:33	05/25/21 14:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:41*	*5*
1-Chlorooctadecane	*99*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:41*	*5*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 15:49	5
Barium	**0.37**	**J**	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 15:49	5
Cadmium	**0.0071**	**J**	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 15:49	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 15:49	5
Lead	**0.12**		0.050	0.012	mg/L		05/27/21 03:28	05/27/21 15:49	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 15:49	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 15:49	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8430**		21.7	2.8	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Antimony	**0.25**	**J**	1.1	0.16	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Arsenic	**3.1**		1.1	0.11	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Barium	**91.2**		2.2	0.16	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Beryllium	**0.32**	**J**	0.43	0.062	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Cadmium	**0.27**	**J**	1.1	0.12	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Calcium	**22500**		108	18.4	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Chromium	**19.1**		2.2	0.19	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Cobalt	**7.9**		2.2	0.16	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Copper	**41.3**		2.2	0.24	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Iron	**16400**		65.1	21.9	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Lead	**67.7**		0.65	0.22	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Magnesium	**8340**		108	11.1	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Manganese	**182**		4.3	0.44	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-2 (0-5)

Date Collected: 05/20/21 09:10
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-3

Matrix: Solid
Percent Solids: 85.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	17.2		2.2	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Potassium	4020		108	12.2	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Selenium	0.24	J	1.4	0.13	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Silver	1.1	U	1.1	0.097	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Sodium	559		108	16.9	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Thallium	0.19	J	0.43	0.044	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Vanadium	27.4		2.2	0.22	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1
Zinc	89.8		8.7	2.5	mg/Kg	☼	05/27/21 03:42	05/27/21 12:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/26/21 13:39	05/26/21 15:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.018	0.0042	mg/Kg	☼	05/24/21 04:32	05/24/21 10:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.2	HF			SU			05/27/21 16:11	1
Corrosivity	9.2	HF			SU			05/27/21 16:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.50	U	0.50	0.17	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	05/27/21 08:06	05/27/21 12:37	1
Oil & Grease	1900		701	234	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/26/21 12:07	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/27/21 19:46	05/27/21 19:53	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/27/21 19:39	05/27/21 19:50	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/27/21 10:20	1
Percent Moisture	14.7		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	85.3		1.0	1.0	%			05/24/21 11:11	1
Total Solids	89.3		0.10	0.10	%			05/24/21 09:45	1
Total Volatile Solids	5.5		0.10	0.10	%			05/24/21 09:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.3				S.U.			05/27/21 08:28	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			05/27/21 08:28	1
Temperature	24.2				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.3	J	5.2	1.5	mg/L			05/28/21 15:59	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:47	1

Client Sample ID: WC-2 (0-5)
Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 85.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/25/21 17:45	1
Total Solids	**161**		10.0	10.0	mg/L			05/25/21 14:13	1

Client Sample ID: WC-2D (3-5)
Lab Sample ID: 460-234830-4

Date Collected: 05/20/21 09:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00046	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00028	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00070	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00064	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
2-Butanone (MEK)	0.0076	U	0.0076	0.00056	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
2-Hexanone	0.0076	U	0.0076	0.0026	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
4-Methyl-2-pentanone (MIBK)	0.0076	U	0.0076	0.0024	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Acetone	0.0091	U	0.0091	0.0087	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Bromoform	0.0015	U	0.0015	0.00065	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Carbon disulfide	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Carbon tetrachloride	0.0015	U	0.0015	0.00059	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chlorobromomethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chlorodibromomethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chloroethane	0.0015	U	0.0015	0.00080	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Chloromethane	0.0015	U	0.0015	0.00066	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Cyclohexane	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Dichlorobromomethane	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00052	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Isopropylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Methyl acetate	0.0076	U	0.0076	0.0066	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00078	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Methylcyclohexane	0.0015	U	0.0015	0.00076	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1

Client Sample ID: WC-2D (3-5)
Lab Sample ID: 460-234830-4

Date Collected: 05/20/21 09:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Styrene	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Toluene	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00038	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Trichloroethene	0.0015	U	0.0015	0.00049	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00062	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1
Vinyl chloride	0.0015	U	0.0015	0.00083	mg/Kg	☼	05/21/21 14:57	05/23/21 11:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/21/21 14:57*	*05/23/21 11:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*	*05/21/21 14:57*	*05/23/21 11:25*	*1*
4-Bromofluorobenzene	*114*		*70 - 139*	*05/21/21 14:57*	*05/23/21 11:25*	*1*
Dibromofluoromethane (Surr)	*117*		*48 - 150*	*05/21/21 14:57*	*05/23/21 11:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/21/21 14:57*	*05/23/21 11:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/26/21 13:41	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/26/21 13:41	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/26/21 13:41	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/26/21 13:41	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/26/21 13:41	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/26/21 13:41	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/26/21 13:41	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/26/21 13:41	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/26/21 13:41	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/26/21 13:41	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/26/21 13:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/26/21 13:41*	*10*
4-Bromofluorobenzene	*96*		*76 - 120*		*05/26/21 13:41*	*10*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*05/26/21 13:41*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/26/21 13:41*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	**88.6**		1.0	1.0	%			05/24/21 11:11	1

Client Sample ID: WC-1A (0-2)
Lab Sample ID: 460-234830-5

Date Collected: 05/20/21 09:25
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-1A (0-2)
Date Collected: 05/20/21 09:25
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-5
Matrix: Solid
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00069	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00064	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
2-Hexanone	0.0075	U	0.0075	0.0026	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
4-Methyl-2-pentanone (MIBK)	0.0075	U	0.0075	0.0023	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Acetone	0.0090	U	0.0090	0.0086	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Bromoform	0.0015	U	0.0015	0.00064	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Carbon disulfide	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chloroethane	0.0015	U	0.0015	0.00078	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Chloromethane	0.0015	U	0.0015	0.00065	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Dichlorobromomethane	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00051	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Isopropylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Methyl acetate	0.0075	U	0.0075	0.0065	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Methylcyclohexane	0.0015	U	0.0015	0.00075	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Styrene	0.0015	U	0.0015	0.00042	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00061	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1

Client Sample ID: WC-1A (0-2)
Lab Sample ID: 460-234830-5
Date Collected: 05/20/21 09:25
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	05/21/21 15:00	05/23/21 11:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/21/21 15:00*	*05/23/21 11:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*	*05/21/21 15:00*	*05/23/21 11:49*	*1*
4-Bromofluorobenzene	*111*		*70 - 139*	*05/21/21 15:00*	*05/23/21 11:49*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*	*05/21/21 15:00*	*05/23/21 11:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/21/21 15:00*	*05/23/21 11:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/26/21 14:07	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/26/21 14:07	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/26/21 14:07	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/26/21 14:07	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/26/21 14:07	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/26/21 14:07	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/26/21 14:07	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/26/21 14:07	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/26/21 14:07	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/26/21 14:07	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/26/21 14:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*05/26/21 14:07*	*10*
4-Bromofluorobenzene	*104*		*76 - 120*		*05/26/21 14:07*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/26/21 14:07*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/26/21 14:07*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.5**		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	**95.5**		1.0	1.0	%			05/24/21 11:11	1

Client Sample ID: WC-1 (0-5)
Lab Sample ID: 460-234830-6
Date Collected: 05/20/21 09:30
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 94.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1

Client Sample ID: WC-1 (0-5) | **Lab Sample ID: 460-234830-6**
Date Collected: 05/20/21 09:30 | **Matrix: Solid**
Date Received: 05/20/21 19:00 | **Percent Solids: 94.6**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Methylnaphthalene	**0.021**	**J**	0.35	0.0098	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Acenaphthene	**0.018**	**J**	0.35	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Acenaphthylene	**0.025**	**J**	0.35	0.0035	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Anthracene	**0.069**	**J**	0.35	0.011	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzo[a]anthracene	**0.42**		0.035	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzo[a]pyrene	**0.44**		0.035	0.0093	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzo[b]fluoranthene	**0.65**		0.035	0.0090	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzo[g,h,i]perylene	**0.27**	**J**	0.35	0.010	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Benzo[k]fluoranthene	**0.25**		0.035	0.0069	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Bis(2-ethylhexyl) phthalate	**0.062**	**J**	0.35	0.018	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Carbazole	**0.026**	**J**	0.35	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Chrysene	**0.43**		0.35	0.0059	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Dibenz(a,h)anthracene	**0.083**		0.035	0.015	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Dibenzofuran	**0.014**	**J**	0.35	0.0049	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Fluoranthene	**0.60**		0.35	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Fluorene	**0.014**	**J**	0.35	0.0047	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1

Client Sample ID: WC-1 (0-5)
Date Collected: 05/20/21 09:30
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-6
Matrix: Solid
Percent Solids: 94.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.40**		0.035	0.014	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Naphthalene	**0.014**	**J**	0.35	0.0060	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Phenanthrene	**0.30**	**J**	0.35	0.0061	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1
Pyrene	**0.57**		0.35	0.0087	mg/Kg	☼	05/21/21 19:22	05/23/21 04:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.35*	*A J*	*mg/Kg*	☼	*2.18*		*05/21/21 19:22*	*05/23/21 04:21*	*1*
Unknown	*0.67*	*J*	*mg/Kg*	☼	*9.44*		*05/21/21 19:22*	*05/23/21 04:21*	*1*
Perylene	*0.33*	*J N*	*mg/Kg*	☼	*9.98*	*198-55-0*	*05/21/21 19:22*	*05/23/21 04:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 123*	*05/21/21 19:22*	*05/23/21 04:21*	*1*
2-Fluorobiphenyl	*70*		*14 - 103*	*05/21/21 19:22*	*05/23/21 04:21*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 105*	*05/21/21 19:22*	*05/23/21 04:21*	*1*
Nitrobenzene-d5 (Surr)	*68*		*11 - 104*	*05/21/21 19:22*	*05/23/21 04:21*	*1*
Phenol-d5 (Surr)	*72*		*15 - 100*	*05/21/21 19:22*	*05/23/21 04:21*	*1*
Terphenyl-d14 (Surr)	*78*		*12 - 126*	*05/21/21 19:22*	*05/23/21 04:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/27/21 00:30	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/27/21 00:30	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/27/21 00:30	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/27/21 00:30	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/27/21 00:30	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/27/21 00:30	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/27/21 00:30	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/27/21 00:30	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/27/21 00:30	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/27/21 00:30	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/27/21 00:30	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/27/21 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 150*	*05/26/21 10:01*	*05/27/21 00:30*	*1*
2-Fluorobiphenyl	*71*		*42 - 127*	*05/26/21 10:01*	*05/27/21 00:30*	*1*
2-Fluorophenol (Surr)	*57*		*18 - 72*	*05/26/21 10:01*	*05/27/21 00:30*	*1*
Nitrobenzene-d5 (Surr)	*101*		*46 - 137*	*05/26/21 10:01*	*05/27/21 00:30*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*05/26/21 10:01*	*05/27/21 00:30*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 150*	*05/26/21 10:01*	*05/27/21 00:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1

Client Sample ID: WC-1 (0-5)
Lab Sample ID: 460-234830-6
Date Collected: 05/20/21 09:30
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 94.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/22/21 13:53	05/23/21 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:17*	*1*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*05/22/21 13:53*	*05/23/21 01:17*	*1*
Tetrachloro-m-xylene	*83*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:17*	*1*
Tetrachloro-m-xylene	*86*		*10 - 133*	*05/22/21 13:53*	*05/23/21 01:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 06:14	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 06:14	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 06:14	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 06:14	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 06:14	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 06:14	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:14*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:14*	*1*
Tetrachloro-m-xylene	*60*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:14*	*1*
Tetrachloro-m-xylene	*58*		*10 - 150*	*05/26/21 10:10*	*05/27/21 06:14*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1260	**0.37**		0.071	0.0097	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1

Client Sample ID: WC-1 (0-5)
Date Collected: 05/20/21 09:30
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-6
Matrix: Solid
Percent Solids: 94.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1
Polychlorinated biphenyls, Total	**0.37**		0.071	0.0097	mg/Kg	☼	05/22/21 13:49	05/23/21 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*37 - 150*	*05/22/21 13:49*	*05/23/21 04:24*	*1*
DCB Decachlorobiphenyl	*124*		*37 - 150*	*05/22/21 13:49*	*05/23/21 04:24*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*05/22/21 13:49*	*05/23/21 04:24*	*1*
Tetrachloro-m-xylene	*112*		*54 - 150*	*05/22/21 13:49*	*05/23/21 04:24*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/21/21 22:08	05/22/21 18:23	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/21/21 22:08	05/22/21 18:23	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/21/21 22:08	05/22/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*103*		*65 - 150*	*05/21/21 22:08*	*05/22/21 18:23*	*1*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*	*05/21/21 22:08*	*05/22/21 18:23*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:26	05/27/21 09:08	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:26	05/27/21 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*05/26/21 14:26*	*05/27/21 09:08*	*1*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*	*05/26/21 14:26*	*05/27/21 09:08*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1000**		11	11	mg/Kg	☼	05/23/21 14:33	05/25/21 14:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:59*	*5*
1-Chlorooctadecane	*110*		*40 - 140*	*05/23/21 14:33*	*05/25/21 14:59*	*5*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 15:53	5
Barium	**0.61**	**J**	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 15:53	5
Cadmium	**0.0083**	**J**	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 15:53	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 15:53	5
Lead	**0.29**		0.050	0.012	mg/L		05/27/21 03:28	05/27/21 15:53	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 15:53	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 15:53	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4480**		19.4	2.5	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Antimony	**1.4**		0.97	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Arsenic	**6.3**		0.97	0.097	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1

Client Sample ID: WC-1 (0-5)
Date Collected: 05/20/21 09:30
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-6
Matrix: Solid
Percent Solids: 94.6

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	55.8		1.9	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Beryllium	0.28	J	0.39	0.055	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Cadmium	1.1		0.97	0.11	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Calcium	9060		96.9	16.5	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Chromium	20.0		1.9	0.17	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Cobalt	5.0		1.9	0.14	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Copper	83.9		1.9	0.21	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Iron	17500		58.2	19.6	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Lead	173		0.58	0.19	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Magnesium	3760		96.9	9.9	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Manganese	256		3.9	0.39	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Nickel	13.9		1.9	0.19	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Potassium	586		96.9	10.9	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Selenium	0.55	J	1.2	0.11	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Silver	0.17	J	0.97	0.086	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Sodium	178		96.9	15.1	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Thallium	0.10	J	0.39	0.040	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Vanadium	20.9		1.9	0.20	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1
Zinc	204		7.8	2.2	mg/Kg	☼	05/27/21 03:42	05/27/21 12:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/26/21 13:39	05/26/21 15:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.017	0.0041	mg/Kg	☼	05/24/21 04:32	05/24/21 10:05	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5	HF			SU			05/27/21 16:13	1
Corrosivity	8.5	HF			SU			05/27/21 16:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.82		0.47	0.16	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	05/27/21 08:06	05/27/21 12:38	1
Oil & Grease	2250		620	207	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/26/21 12:07	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/27/21 19:46	05/27/21 19:53	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/27/21 19:39	05/27/21 19:50	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/27/21 10:20	1
Percent Moisture	5.4		1.0	1.0	%			05/24/21 11:11	1
Percent Solids	94.6		1.0	1.0	%			05/24/21 11:11	1
Total Solids	94.8		0.10	0.10	%			05/24/21 09:45	1
Total Volatile Solids	4.1		0.10	0.10	%			05/24/21 09:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.5				S.U.			05/27/21 08:28	1

Client Sample ID: WC-1 (0-5)
Lab Sample ID: 460-234830-6
Date Collected: 05/20/21 09:30
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 94.6

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			05/27/21 08:28	1
Temperature	**24.2**				Degrees C			05/27/21 08:28	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**3.8**	**J**	5.2	1.5	mg/L			05/28/21 15:59	1
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/25/21 17:45	1
Total Solids	**99.0**		10.0	10.0	mg/L			05/25/21 14:13	1

Client Sample ID: WCR-1C (3-5)
Lab Sample ID: 460-234918-1
Date Collected: 05/21/21 11:00
Matrix: Solid
Date Received: 05/21/21 19:30
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00052	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00067	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00052	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00061	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00033	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
2-Butanone (MEK)	0.0073	U	0.0073	0.00053	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
2-Hexanone	0.0073	U	0.0073	0.0025	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
4-Methyl-2-pentanone (MIBK)	0.0073	U	0.0073	0.0023	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Acetone	0.0087	U	0.0087	0.0083	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Benzene	0.0015	U	0.0015	0.00037	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Bromoform	0.0015	U	0.0015	0.00062	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Bromomethane	0.0029	U	0.0029	0.0015	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Carbon disulfide	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Carbon tetrachloride	**0.00058**	**J**	0.0015	0.00056	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chlorobromomethane	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chlorodibromomethane	0.0015	U	0.0015	0.00028	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chloroethane	0.0015	U	0.0015	0.00076	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chloroform	**0.0022**		0.0015	0.0014	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Chloromethane	0.0015	U	0.0015	0.00063	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00052	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Cyclohexane	0.0015	U	0.0015	0.00032	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Dichlorobromomethane	0.0015	U	0.0015	0.00037	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1

Client Sample ID: WCR-1C (3-5)
Date Collected: 05/21/21 11:00
Date Received: 05/21/21 19:30

Lab Sample ID: 460-234918-1
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0015	U	0.0015	0.00049	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Ethylbenzene	0.0015	U	0.0015	0.00029	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Ethylene Dibromide	0.0015	U	0.0015	0.00026	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Isopropylbenzene	0.0015	U	0.0015	0.00041	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Methyl acetate	0.0073	U	0.0073	0.0062	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00074	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Methylcyclohexane	0.0015	U	0.0015	0.00073	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Methylene Chloride	0.0029	U	0.0029	0.0017	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00025	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
o-Xylene	0.0015	U	0.0015	0.00028	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Styrene	0.0015	U	0.0015	0.00040	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Tetrachloroethene	0.0015	U	0.0015	0.00044	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Toluene	0.0015	U	0.0015	0.00034	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00039	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Trichloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00059	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1
Vinyl chloride	0.0015	U	0.0015	0.00079	mg/Kg	☼	05/22/21 13:29	05/24/21 22:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/22/21 13:29*	*05/24/21 22:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 145*	*05/22/21 13:29*	*05/24/21 22:11*	*1*
4-Bromofluorobenzene	*113*		*70 - 139*	*05/22/21 13:29*	*05/24/21 22:11*	*1*
Dibromofluoromethane (Surr)	*113*		*48 - 150*	*05/22/21 13:29*	*05/24/21 22:11*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*05/22/21 13:29*	*05/24/21 22:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/27/21 14:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/27/21 14:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/27/21 14:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/27/21 14:06	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/27/21 14:06	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/27/21 14:06	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/27/21 14:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/27/21 14:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/27/21 14:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/27/21 14:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/27/21 14:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*05/27/21 14:06*	*10*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/27/21 14:06*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/27/21 14:06*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/27/21 14:06*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.7**		1.0	1.0	%			05/25/21 13:12	1

Client Sample ID: WCR-1C (3-5)
Lab Sample ID: 460-234918-1
Date Collected: 05/21/21 11:00
Matrix: Solid
Date Received: 05/21/21 19:30
Percent Solids: 83.3

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.3		1.0	1.0	%			05/25/21 13:12	1

Client Sample ID: WCR-2D (1-3)
Lab Sample ID: 460-234918-2
Date Collected: 05/21/21 09:00
Matrix: Solid
Date Received: 05/21/21 19:30
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
2-Butanone (MEK)	0.0065	U	0.0065	0.00048	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Acetone	0.0078	U	0.0078	0.0074	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1

Client Sample ID: WCR-2D (1-3)
Date Collected: 05/21/21 09:00
Date Received: 05/21/21 19:30

Lab Sample ID: 460-234918-2
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Toluene	**0.00031**	**J**	0.0013	0.00030	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	05/22/21 13:31	05/24/21 22:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/22/21 13:31*	*05/24/21 22:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*05/22/21 13:31*	*05/24/21 22:35*	*1*
4-Bromofluorobenzene	*124*		*70 - 139*	*05/22/21 13:31*	*05/24/21 22:35*	*1*
Dibromofluoromethane (Surr)	*125*		*48 - 150*	*05/22/21 13:31*	*05/24/21 22:35*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*	*05/22/21 13:31*	*05/24/21 22:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/27/21 14:32	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/27/21 14:32	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/27/21 14:32	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/27/21 14:32	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/27/21 14:32	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/27/21 14:32	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/27/21 14:32	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/27/21 14:32	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/27/21 14:32	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/27/21 14:32	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/27/21 14:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/27/21 14:32*	*10*
4-Bromofluorobenzene	*112*		*76 - 120*		*05/27/21 14:32*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/27/21 14:32*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/27/21 14:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.2**		1.0	1.0	%			05/25/21 13:12	1
Percent Solids	**94.8**		1.0	1.0	%			05/25/21 13:12	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-234659-1	WC-20C (8-10)	103	102	115	101
460-234659-3	WC-29C (0-2)	88	108	79	83
460-234659-4	WC-28A (0-2)	105	103	113	98
460-234830-4	WC-2D (3-5)	96	114	117	98
460-234830-5	WC-1A (0-2)	94	111	116	98
460-234918-1	WCR-1C (3-5)	92	113	113	97
460-234918-2	WCR-2D (1-3)	101	124	125	108
LB3 460-779052/1-A	Method Blank	105	107	124	99
LB3 460-779489/1-A	Method Blank	102	121	126	104
LB3 460-779637/1-A	Method Blank	91	112	114	94
LCS 460-779247/3	Lab Control Sample	102	105	119	99
LCS 460-779352/3	Lab Control Sample	93	105	106	96
LCS 460-780354/16	Lab Control Sample	79	99	76	82
LCS 460-780432/4	Lab Control Sample	93	120	112	98
LCS 460-780468/3	Lab Control Sample	97	116	113	102
LCSD 460-779247/6	Lab Control Sample Dup	104	110	120	100
LCSD 460-779352/4	Lab Control Sample Dup	96	107	108	99
LCSD 460-780354/18	Lab Control Sample Dup	78	99	76	82
LCSD 460-780432/5	Lab Control Sample Dup	92	119	110	96
LCSD 460-780468/4	Lab Control Sample Dup	95	115	109	98
MB 460-779247/8	Method Blank	107	102	121	96
MB 460-779352/7	Method Blank	94	102	109	95
MB 460-780354/8	Method Blank	84	99	78	80
MB 460-780432/8	Method Blank	91	115	114	96
MB 460-780468/7	Method Blank	96	108	112	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-150)	(62-150)	(54-150)	(68-148)
460-234659-2	WC-20D (13-15)	129	114	118	117
LCS 460-779612/3	Lab Control Sample	102	94	95	103
LCSD 460-779612/4	Lab Control Sample Dup	103	94	97	103
MB 460-779612/8	Method Blank	106	93	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-779379/3	Lab Control Sample	106	109	107	101
LCS 460-779385/3	Lab Control Sample	103	92	96	90
LCS 460-780101/4	Lab Control Sample	105	115	106	101
LCS 460-780318/4	Lab Control Sample	101	101	102	94
LCS 460-780648/4	Lab Control Sample	98	103	104	99
LCSD 460-779379/4	Lab Control Sample Dup	100	105	103	99
LCSD 460-779385/4	Lab Control Sample Dup	97	94	95	90
LCSD 460-780101/5	Lab Control Sample Dup	102	111	105	99
LCSD 460-780318/5	Lab Control Sample Dup	106	108	107	102
LCSD 460-780648/5	Lab Control Sample Dup	104	104	103	99
MB 460-779379/8	Method Blank	109	103	114	104
MB 460-779385/7	Method Blank	116	110	109	96
MB 460-780101/9	Method Blank	100	108	107	100
MB 460-780318/9	Method Blank	102	106	106	103
MB 460-780648/9	Method Blank	103	105	107	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-234659-1	WC-20C (8-10)	105	97	105	97
460-234659-2	WC-20D (13-15)	109	103	115	100
460-234659-3	WC-29C (0-2)	115	106	116	104
460-234659-4	WC-28A (0-2)	110	100	106	100
460-234830-4	WC-2D (3-5)	98	96	101	99
460-234830-5	WC-1A (0-2)	102	104	108	103
460-234918-1	WCR-1C (3-5)	103	108	108	102
460-234918-2	WCR-2D (1-3)	104	112	108	102
LB 460-779079/1-A	Method Blank	98	96	96	92
LB 460-779769/1-A	Method Blank	101	100	108	101
LB 460-780328/1-A	Method Blank	104	100	109	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-234659-5	WC-28 (0-5)	96	82	76	79	76	108
460-234659-5 MS	WC-28 (0-5)	97	82	72	82	71	100
460-234659-5 MSD	WC-28 (0-5)	100	85	78	89	76	105
460-234659-6	WC-29 (0-5)	89	78	66	76	70	100
460-234819-D-1-F MS	Matrix Spike	86	82	85	78	86	94
460-234819-D-1-G MSD	Matrix Spike Duplicate	83	79	83	77	82	91
460-234830-1	WC-20 (5-10)	85	82	86	80	84	92
460-234830-2	WC-20 (10-18)	80	74	81	99	80	88
460-234830-3	WC-2 (0-5)	79	79	82	77	80	89
460-234830-6	WC-1 (0-5)	70	70	72	68	72	78
LCS 460-779297/2-A	Lab Control Sample	97	79	75	82	73	96
LCS 460-779556/2-A	Lab Control Sample	88	87	89	86	87	98
LCSD 460-779297/3-A	Lab Control Sample Dup	98	80	76	83	72	95
LCSD 460-779556/3-A	Lab Control Sample Dup	86	83	88	83	86	96
MB 460-779297/1-A	Method Blank	92	74	70	79	70	94
MB 460-779556/1-A	Method Blank	78	82	86	82	87	97

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-234785-E-3-A MS	Matrix Spike	66	64	27	81	22	58
460-234785-E-3-B MSD	Matrix Spike Duplicate	77	67	31	85	23	65
LCS 460-779235/2-A	Lab Control Sample	97	89	48	92	35	101
LCS 460-779450/2-A	Lab Control Sample	78	68	37	84	27	64
LCS 460-779723/2-A	Lab Control Sample	112	100	54	102	36	113
LCS 460-780407/2-A	Lab Control Sample	86	98	63	112	44	98
LCSD 460-779235/3-A	Lab Control Sample Dup	94	88	50	92	34	99
LCSD 460-779723/3-A	Lab Control Sample Dup	106	101	53	102	36	111
LCSD 460-780407/3-A	Lab Control Sample Dup	87	100	63	113	44	100
MB 460-779235/1-A	Method Blank	88	81	50	86	32	105
MB 460-779450/1-A	Method Blank	77	73	43	90	31	75
MB 460-779723/1-A	Method Blank	85	98	52	99	31	109
MB 460-780407/1-A	Method Blank	66	79	52	92	34	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
160-42160-B-1-F MSD	Matrix Spike Duplicate	82	89	55	106	39	76
160-42160-C-1-C MS	Matrix Spike	84	92	55	107	39	76
460-234659-5	WC-28 (0-5)	63	66	38	88	29	62
460-234659-6	WC-29 (0-5)	76	94	50	91	30	93
460-234830-1	WC-20 (5-10)	81	76	57	102	39	75
460-234830-2	WC-20 (10-18)	70	66	51	91	34	75
460-234830-3	WC-2 (0-5)	79	77	58	105	39	71
460-234830-6	WC-1 (0-5)	78	71	57	101	38	67
LB 460-779308/1-B	Method Blank	85	92	50	108	35	101
LB 460-779672/1-B	Method Blank	74	93	46	91	30	105
LB 460-780242/1-B	Method Blank	87	89	76 *	112	62 *	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
LCS 460-779422/2-A	Lab Control Sample	107	102	100	92
LCS 460-779780/2-A	Lab Control Sample	81	63	85	81
LCS 460-780409/2-A	Lab Control Sample	95	92	86	84
LCSD 460-779422/3-A	Lab Control Sample Dup	120	114	113	104
LCSD 460-779780/3-A	Lab Control Sample Dup	87	66	86	81
LCSD 460-780409/3-A	Lab Control Sample Dup	97	92	88	85
MB 460-779422/1-A	Method Blank	106	106	92	92
MB 460-779780/1-A	Method Blank	94	76	97	91
MB 460-780409/1-A	Method Blank	100	94	86	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
460-234659-5	WC-28 (0-5)	90	90	67	68
460-234659-6	WC-29 (0-5)	83	94	66	65
460-234738-E-3-E MS	Matrix Spike	93	83	83	81
460-234738-E-3-F MSD	Matrix Spike Duplicate	99	88	87	83

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
460-234830-1	WC-20 (5-10)	51	57	52	52
460-234830-2	WC-20 (10-18)	80	73	74	74
460-234830-3	WC-2 (0-5)	63	69	71	71
460-234830-6	WC-1 (0-5)	68	65	86	83
LCS 460-779158/2-A	Lab Control Sample	111	115	102	106
LCS 460-779645/2-A	Lab Control Sample	97	81	99	96
LCSD 460-779158/3-A	Lab Control Sample Dup	112	117	101	107
LCSD 460-779645/3-A	Lab Control Sample Dup	94	88	94	93
MB 460-779158/1-A	Method Blank	110	112	97	103
MB 460-779645/1-A	Method Blank	102	78	103	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
160-42160-B-1-G MSD	Matrix Spike Duplicate	84	81	76	71
160-42160-C-1-D MS	Matrix Spike	79	74	74	69
460-234659-5	WC-28 (0-5)	62	62	52	52
460-234659-6	WC-29 (0-5)	75	62	96	93
460-234830-1	WC-20 (5-10)	69	71	64	62
460-234830-2	WC-20 (10-18)	82	81	68	69
460-234830-3	WC-2 (0-5)	90	88	67	68
460-234830-6	WC-1 (0-5)	79	75	58	60
LB 460-779672/1-D	Method Blank	101	80	97	92
LB 460-780242/1-C	Method Blank	87	85	73	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-234659-5	WC-28 (0-5)	105	115	105	104
460-234659-6	WC-29 (0-5)	100	94	94	88
460-234738-E-3-B MS	Matrix Spike	109	92	90	86
460-234738-E-3-C MSD	Matrix Spike Duplicate	121	99	99	91
460-234830-1	WC-20 (5-10)	87	73	70	68
460-234830-2	WC-20 (10-18)	98	87	90	80
460-234830-3	WC-2 (0-5)	104	81	93	87
460-234830-6	WC-1 (0-5)	124	99	112	106
LCS 460-779156/2-A	Lab Control Sample	101	107	98	105
LCS 460-779644/2-A	Lab Control Sample	101	84	79	74

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
LCSD 460-779156/3-A	Lab Control Sample Dup	101	101	98	99
LCSD 460-779644/3-A	Lab Control Sample Dup	103	87	81	75
MB 460-779156/1-A	Method Blank	129	107	127	110
MB 460-779644/1-A	Method Blank	116	100	100	100

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(65-150)	(65-150)
460-234651-A-1-A MS	Matrix Spike	132	102
460-234651-A-1-B MSD	Matrix Spike Duplicate	127	97
460-234659-5	WC-28 (0-5)	118	96
460-234659-6	WC-29 (0-5)	123	105
460-234830-1	WC-20 (5-10)	106	90
460-234830-2	WC-20 (10-18)	105	93
460-234830-3	WC-2 (0-5)	100	83
460-234830-6	WC-1 (0-5)	113	103
LCS 460-779323/2-A	Lab Control Sample	117	110
LCS 460-779576/2-A	Lab Control Sample	108	106
LCSD 460-779323/3-A	Lab Control Sample Dup	118	112
LCSD 460-779576/3-A	Lab Control Sample Dup	114	112
MB 460-779323/1-A	Method Blank	111	111
MB 460-779576/1-A	Method Blank	105	102

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(28-150)	(28-150)
LCS 460-779575/2-A	Lab Control Sample	83	79
LCS 460-779809/2-A	Lab Control Sample	87	82
LCS 460-780457/2-A	Lab Control Sample	101	96
LCSD 460-779575/3-A	Lab Control Sample Dup	81	78
LCSD 460-779809/3-A	Lab Control Sample Dup	80	77
LCSD 460-780457/3-A	Lab Control Sample Dup	101	97
MB 460-779575/1-A	Method Blank	74	70
MB 460-779809/1-A	Method Blank	79	75
MB 460-780457/1-A	Method Blank	98	96

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
460-234659-5	WC-28 (0-5)	41	45
460-234659-6	WC-29 (0-5)	46	48
460-234830-1	WC-20 (5-10)	91	88
460-234830-2	WC-20 (10-18)	93	89
460-234830-3	WC-2 (0-5)	86	82
460-234830-6	WC-1 (0-5)	80	77
LB 460-779672/1-F	Method Blank	62	65
LB 460-780242/1-F	Method Blank	92	86

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH1 (40-140)	1COD1 (40-140)
460-234659-5	WC-28 (0-5)	90	99
460-234659-6	WC-29 (0-5)	97	105
460-234830-1	WC-20 (5-10)	65	117
460-234830-2	WC-20 (10-18)	0 *	0 *
460-234830-3	WC-2 (0-5)	100	99
460-234830-6	WC-1 (0-5)	77	110
LCS 460-779188/2-A	Lab Control Sample	86	120
LCS 460-779768/2-A	Lab Control Sample	102	163 *
LCSD 460-779188/3-A	Lab Control Sample Dup	113	163 *
LCSD 460-779768/3-A	Lab Control Sample Dup	98	160 *
MB 460-779188/1-A	Method Blank	111	107
MB 460-779768/1-A	Method Blank	92	95

Surrogate Legend

OTPH = o-Terphenyl

1COD = 1-Chlorooctadecane

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

Lab Sample ID: LB3 460-779052/1-A
Matrix: Solid
Analysis Batch: 779247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779052

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/19/21 20:56	05/20/21 19:18	1

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

Lab Sample ID: LB3 460-779052/1-A
Matrix: Solid
Analysis Batch: 779247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779052

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/19/21 20:56	05/20/21 19:18	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/19/21 20:56	05/20/21 19:18	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/19/21 20:56*	*05/20/21 19:18*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*05/19/21 20:56*	*05/20/21 19:18*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*05/19/21 20:56*	*05/20/21 19:18*	*1*
Dibromofluoromethane (Surr)	*124*		*48 - 150*	*05/19/21 20:56*	*05/20/21 19:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/19/21 20:56*	*05/20/21 19:18*	*1*

Lab Sample ID: MB 460-779247/8
Matrix: Solid
Analysis Batch: 779247

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 18:54	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/20/21 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/20/21 18:54	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 18:54	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/20/21 18:54	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 18:54	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 18:54	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 18:54	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/20/21 18:54	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 18:54	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/20/21 18:54	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/20/21 18:54	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/20/21 18:54	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 18:54	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/20/21 18:54	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/20/21 18:54	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/20/21 18:54	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/20/21 18:54	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/20/21 18:54	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/20/21 18:54	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/20/21 18:54	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 18:54	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/20/21 18:54	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 18:54	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/20/21 18:54	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/20/21 18:54	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/20/21 18:54	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/20/21 18:54	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/20/21 18:54	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/20/21 18:54	1

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

Lab Sample ID: MB 460-779247/8
Matrix: Solid
Analysis Batch: 779247

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 18:54	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/20/21 18:54	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/20/21 18:54	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/20/21 18:54	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/20/21 18:54	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/20/21 18:54	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/20/21 18:54	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/20/21 18:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/20/21 18:54	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/20/21 18:54	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/20/21 18:54	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/20/21 18:54	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/20/21 18:54	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/20/21 18:54	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/20/21 18:54	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/20/21 18:54	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/20/21 18:54	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/20/21 18:54	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/20/21 18:54	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/20/21 18:54	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/20/21 18:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/20/21 18:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*		*05/20/21 18:54*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*		*05/20/21 18:54*	*1*
Dibromofluoromethane (Surr)	*121*		*48 - 150*		*05/20/21 18:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/20/21 18:54*	*1*

Lab Sample ID: LCS 460-779247/3
Matrix: Solid
Analysis Batch: 779247

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0204		mg/Kg		102	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0176		mg/Kg		88	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0246		mg/Kg		123	78 - 136
1,1,2-Trichloroethane	0.0200	0.0178		mg/Kg		89	75 - 120
1,1-Dichloroethane	0.0200	0.0203		mg/Kg		102	76 - 129
1,1-Dichloroethene	0.0200	0.0221		mg/Kg		111	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0174		mg/Kg		87	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0179		mg/Kg		89	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0147		mg/Kg		73	60 - 126
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0181		mg/Kg		91	70 - 132

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

Lab Sample ID: LCS 460-779247/3
Matrix: Solid
Analysis Batch: 779247

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		91	73 - 124
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.114		mg/Kg		114	75 - 120
2-Hexanone	0.100	0.0800		mg/Kg		80	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0876		mg/Kg		88	80 - 122
Acetone	0.100	0.0872		mg/Kg		87	63 - 131
Benzene	0.0200	0.0201		mg/Kg		101	80 - 123
Bromoform	0.0200	0.0141		mg/Kg		70	48 - 142
Bromomethane	0.0200	0.0213		mg/Kg		107	46 - 150
Carbon disulfide	0.0200	0.0211		mg/Kg		105	67 - 136
Carbon tetrachloride	0.0200	0.0191		mg/Kg		95	72 - 136
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Chlorobromomethane	0.0200	0.0215		mg/Kg		108	76 - 127
Chlorodibromomethane	0.0200	0.0150		mg/Kg		75	62 - 128
Chloroethane	0.0200	0.0217		mg/Kg		109	49 - 150
Chloroform	0.0200	0.0216		mg/Kg		108	79 - 126
Chloromethane	0.0200	0.0181		mg/Kg		91	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0226		mg/Kg		113	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0155		mg/Kg		78	72 - 120
Cyclohexane	0.0200	0.0203		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0172		mg/Kg		86	73 - 124
Dichlorodifluoromethane	0.0200	0.0205		mg/Kg		103	40 - 146
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0179		mg/Kg		89	79 - 120
Isopropylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Methyl acetate	0.0400	0.0383		mg/Kg		96	58 - 143
Methyl tert-butyl ether	0.0200	0.0206		mg/Kg		103	80 - 125
Methylcyclohexane	0.0200	0.0182		mg/Kg		91	79 - 133
Methylene Chloride	0.0200	0.0217		mg/Kg		108	76 - 127
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
Styrene	0.0200	0.0178		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	78 - 123
Toluene	0.0200	0.0190		mg/Kg		95	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0226		mg/Kg		113	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0142		mg/Kg		71	68 - 120
Trichloroethene	0.0200	0.0210		mg/Kg		105	79 - 120
Trichlorofluoromethane	0.0200	0.0204		mg/Kg		102	67 - 142
Vinyl chloride	0.0200	0.0199		mg/Kg		100	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*
4-Bromofluorobenzene	*105*		*70 - 139*
Dibromofluoromethane (Surr)	*119*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: LCSD 460-779247/6
Matrix: Solid
Analysis Batch: 779247

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		98	78 - 132	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0169		mg/Kg		84	69 - 123	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0229		mg/Kg		114	78 - 136	7	30
1,1,2-Trichloroethane	0.0200	0.0165		mg/Kg		83	75 - 120	8	30
1,1-Dichloroethane	0.0200	0.0197		mg/Kg		98	76 - 129	3	30
1,1-Dichloroethene	0.0200	0.0204		mg/Kg		102	77 - 132	8	30
1,2,3-Trichlorobenzene	0.0200	0.0166		mg/Kg		83	65 - 144	5	30
1,2,4-Trichlorobenzene	0.0200	0.0170		mg/Kg		85	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0138		mg/Kg		69	60 - 126	6	30
1,2-Dichlorobenzene	0.0200	0.0171		mg/Kg		85	80 - 120	8	30
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 132	5	30
1,2-Dichloropropane	0.0200	0.0169		mg/Kg		84	73 - 124	8	30
1,3-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	9	30
1,4-Dichlorobenzene	0.0200	0.0173		mg/Kg		86	80 - 120	7	30
2-Butanone (MEK)	0.100	0.107		mg/Kg		107	75 - 120	6	30
2-Hexanone	0.100	0.0780		mg/Kg		78	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0829		mg/Kg		83	80 - 122	5	30
Acetone	0.100	0.0841		mg/Kg		84	63 - 131	4	30
Benzene	0.0200	0.0187		mg/Kg		94	80 - 123	7	30
Bromoform	0.0200	0.0146		mg/Kg		73	48 - 142	4	30
Bromomethane	0.0200	0.0197		mg/Kg		98	46 - 150	8	30
Carbon disulfide	0.0200	0.0199		mg/Kg		99	67 - 136	6	30
Carbon tetrachloride	0.0200	0.0181		mg/Kg		90	72 - 136	5	30
Chlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	6	30
Chlorobromomethane	0.0200	0.0192		mg/Kg		96	76 - 127	11	30
Chlorodibromomethane	0.0200	0.0147		mg/Kg		73	62 - 128	2	30
Chloroethane	0.0200	0.0197		mg/Kg		99	49 - 150	9	30
Chloroform	0.0200	0.0201		mg/Kg		100	79 - 126	8	30
Chloromethane	0.0200	0.0171		mg/Kg		85	48 - 150	6	30
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	80 - 123	7	30
cis-1,3-Dichloropropene	0.0200	0.0142	*	mg/Kg		71	72 - 120	9	30
Cyclohexane	0.0200	0.0198		mg/Kg		99	80 - 132	3	30
Dichlorobromomethane	0.0200	0.0163		mg/Kg		81	73 - 124	6	30
Dichlorodifluoromethane	0.0200	0.0207		mg/Kg		104	40 - 146	1	30
Ethylbenzene	0.0200	0.0178		mg/Kg		89	80 - 120	7	30
Ethylene Dibromide	0.0200	0.0170		mg/Kg		85	79 - 120	5	30
Isopropylbenzene	0.0200	0.0179		mg/Kg		89	80 - 120	3	30
Methyl acetate	0.0400	0.0359		mg/Kg		90	58 - 143	6	30
Methyl tert-butyl ether	0.0200	0.0193		mg/Kg		97	80 - 125	6	30
Methylcyclohexane	0.0200	0.0183		mg/Kg		92	79 - 133	1	30
Methylene Chloride	0.0200	0.0199		mg/Kg		99	76 - 127	9	30
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		92	80 - 120	4	30
o-Xylene	0.0200	0.0179		mg/Kg		89	80 - 120	4	30
Styrene	0.0200	0.0170		mg/Kg		85	80 - 120	5	30
Tetrachloroethene	0.0200	0.0187		mg/Kg		94	78 - 123	5	30
Toluene	0.0200	0.0178		mg/Kg		89	80 - 120	7	30
trans-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	78 - 128	8	30
trans-1,3-Dichloropropene	0.0200	0.0132	*	mg/Kg		66	68 - 120	7	30

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

Lab Sample ID: LCSD 460-779247/6
Matrix: Solid
Analysis Batch: 779247

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0193		mg/Kg		96	79 - 120	9	30
Trichlorofluoromethane			0.0200	0.0209		mg/Kg		104	67 - 142	2	30
Vinyl chloride			0.0200	0.0191		mg/Kg		96	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*110*		*70 - 139*
Dibromofluoromethane (Surr)	*120*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 460-779352/7
Matrix: Solid
Analysis Batch: 779352

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/21/21 07:01	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/21/21 07:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/21/21 07:01	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/21/21 07:01	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/21/21 07:01	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/21/21 07:01	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/21/21 07:01	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/21/21 07:01	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/21/21 07:01	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/21/21 07:01	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/21/21 07:01	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/21/21 07:01	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/21/21 07:01	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/21/21 07:01	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/21/21 07:01	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/21/21 07:01	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/21/21 07:01	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/21/21 07:01	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/21/21 07:01	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/21/21 07:01	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/21/21 07:01	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/21/21 07:01	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/21/21 07:01	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/21/21 07:01	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/21/21 07:01	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/21/21 07:01	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/21/21 07:01	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/21/21 07:01	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/21/21 07:01	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/21/21 07:01	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/21/21 07:01	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/21/21 07:01	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/21/21 07:01	1

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

Lab Sample ID: MB 460-779352/7
Matrix: Solid
Analysis Batch: 779352

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/21/21 07:01	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/21/21 07:01	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/21/21 07:01	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/21/21 07:01	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/21/21 07:01	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/21/21 07:01	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/21/21 07:01	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/21/21 07:01	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/21/21 07:01	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/21/21 07:01	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/21/21 07:01	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/21/21 07:01	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/21/21 07:01	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/21/21 07:01	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/21/21 07:01	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/21/21 07:01	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/21/21 07:01	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/21/21 07:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/21/21 07:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*		*05/21/21 07:01*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*		*05/21/21 07:01*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*		*05/21/21 07:01*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/21/21 07:01*	*1*

Lab Sample ID: LCS 460-779352/3
Matrix: Solid
Analysis Batch: 779352

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0192		mg/Kg		96	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0183		mg/Kg		92	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0243		mg/Kg		121	78 - 136
1,1,2-Trichloroethane	0.0200	0.0182		mg/Kg		91	75 - 120
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	76 - 129
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0205		mg/Kg		102	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0156		mg/Kg		78	60 - 126
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
1,2-Dichloroethane	0.0200	0.0168		mg/Kg		84	70 - 132
1,2-Dichloropropane	0.0200	0.0168		mg/Kg		84	73 - 124
1,3-Dichlorobenzene	0.0200	0.0211		mg/Kg		105	80 - 120
1,4-Dichlorobenzene	0.0200	0.0201		mg/Kg		101	80 - 120

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

Lab Sample ID: LCS 460-779352/3
Matrix: Solid
Analysis Batch: 779352

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	0.100	0.112		mg/Kg		112	75 - 120
2-Hexanone	0.100	0.0820		mg/Kg		82	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0861		mg/Kg		86	80 - 122
Acetone	0.100	0.0873		mg/Kg		87	63 - 131
Benzene	0.0200	0.0201		mg/Kg		100	80 - 123
Bromoform	0.0200	0.0149		mg/Kg		75	48 - 142
Bromomethane	0.0200	0.0206		mg/Kg		103	46 - 150
Carbon disulfide	0.0200	0.0200		mg/Kg		100	67 - 136
Carbon tetrachloride	0.0200	0.0183		mg/Kg		91	72 - 136
Chlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
Chlorobromomethane	0.0200	0.0195		mg/Kg		98	76 - 127
Chlorodibromomethane	0.0200	0.0154		mg/Kg		77	62 - 128
Chloroethane	0.0200	0.0201		mg/Kg		100	49 - 150
Chloroform	0.0200	0.0193		mg/Kg		97	79 - 126
Chloromethane	0.0200	0.0183		mg/Kg		92	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0193		mg/Kg		96	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0152		mg/Kg		76	72 - 120
Cyclohexane	0.0200	0.0204		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0159		mg/Kg		80	73 - 124
Dichlorodifluoromethane	0.0200	0.0202		mg/Kg		101	40 - 146
Ethylbenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Ethylene Dibromide	0.0200	0.0178		mg/Kg		89	79 - 120
Isopropylbenzene	0.0200	0.0205		mg/Kg		102	80 - 120
Methyl acetate	0.0400	0.0391		mg/Kg		98	58 - 143
Methyl tert-butyl ether	0.0200	0.0188		mg/Kg		94	80 - 125
Methylcyclohexane	0.0200	0.0197		mg/Kg		99	79 - 133
Methylene Chloride	0.0200	0.0196		mg/Kg		98	76 - 127
m-Xylene & p-Xylene	0.0200	0.0197		mg/Kg		99	80 - 120
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120
Styrene	0.0200	0.0184		mg/Kg		92	80 - 120
Tetrachloroethene	0.0200	0.0201		mg/Kg		100	78 - 123
Toluene	0.0200	0.0188		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		100	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0144		mg/Kg		72	68 - 120
Trichloroethene	0.0200	0.0198		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0213		mg/Kg		106	67 - 142
Vinyl chloride	0.0200	0.0203		mg/Kg		101	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*
4-Bromofluorobenzene	*105*		*70 - 139*
Dibromofluoromethane (Surr)	*106*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCSD 460-779352/4
Matrix: Solid
Analysis Batch: 779352

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		99	78 - 132	3	30
1,1,2,2-Tetrachloroethane	0.0200	0.0189		mg/Kg		95	69 - 123	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0252		mg/Kg		126	78 - 136	4	30
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		94	75 - 120	3	30
1,1-Dichloroethane	0.0200	0.0191		mg/Kg		96	76 - 129	0	30
1,1-Dichloroethene	0.0200	0.0200		mg/Kg		100	77 - 132	3	30
1,2,3-Trichlorobenzene	0.0200	0.0213		mg/Kg		106	65 - 144	3	30
1,2,4-Trichlorobenzene	0.0200	0.0215		mg/Kg		107	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0162		mg/Kg		81	60 - 126	4	30
1,2-Dichlorobenzene	0.0200	0.0207		mg/Kg		103	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0174		mg/Kg		87	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0175		mg/Kg		88	73 - 124	4	30
1,3-Dichlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0207		mg/Kg		104	80 - 120	3	30
2-Butanone (MEK)	0.100	0.121	*	mg/Kg		121	75 - 120	8	30
2-Hexanone	0.100	0.0867		mg/Kg		87	78 - 120	6	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0940		mg/Kg		94	80 - 122	9	30
Acetone	0.100	0.0906		mg/Kg		91	63 - 131	4	30
Benzene	0.0200	0.0203		mg/Kg		101	80 - 123	1	30
Bromoform	0.0200	0.0160		mg/Kg		80	48 - 142	7	30
Bromomethane	0.0200	0.0218		mg/Kg		109	46 - 150	6	30
Carbon disulfide	0.0200	0.0220		mg/Kg		110	67 - 136	9	30
Carbon tetrachloride	0.0200	0.0187		mg/Kg		93	72 - 136	2	30
Chlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120	4	30
Chlorobromomethane	0.0200	0.0200		mg/Kg		100	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0161		mg/Kg		81	62 - 128	5	30
Chloroethane	0.0200	0.0206		mg/Kg		103	49 - 150	3	30
Chloroform	0.0200	0.0197		mg/Kg		98	79 - 126	2	30
Chloromethane	0.0200	0.0185		mg/Kg		93	48 - 150	1	30
cis-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0161		mg/Kg		80	72 - 120	5	30
Cyclohexane	0.0200	0.0209		mg/Kg		105	80 - 132	2	30
Dichlorobromomethane	0.0200	0.0167		mg/Kg		84	73 - 124	5	30
Dichlorodifluoromethane	0.0200	0.0194		mg/Kg		97	40 - 146	4	30
Ethylbenzene	0.0200	0.0203		mg/Kg		101	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0193		mg/Kg		96	79 - 120	8	30
Isopropylbenzene	0.0200	0.0213		mg/Kg		107	80 - 120	4	30
Methyl acetate	0.0400	0.0377		mg/Kg		94	58 - 143	4	30
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		98	80 - 125	4	30
Methylcyclohexane	0.0200	0.0202		mg/Kg		101	79 - 133	3	30
Methylene Chloride	0.0200	0.0198		mg/Kg		99	76 - 127	1	30
m-Xylene & p-Xylene	0.0200	0.0205		mg/Kg		103	80 - 120	4	30
o-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120	2	30
Styrene	0.0200	0.0191		mg/Kg		95	80 - 120	4	30
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	78 - 123	5	30
Toluene	0.0200	0.0194		mg/Kg		97	80 - 120	3	30
trans-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	78 - 128	2	30
trans-1,3-Dichloropropene	0.0200	0.0152		mg/Kg		76	68 - 120	5	30

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

Lab Sample ID: LCSD 460-779352/4
Matrix: Solid
Analysis Batch: 779352

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0201		mg/Kg		101	79 - 120	2	30
Trichlorofluoromethane			0.0200	0.0209		mg/Kg		105	67 - 142	2	30
Vinyl chloride			0.0200	0.0209		mg/Kg		105	56 - 147	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
4-Bromofluorobenzene	*107*		*70 - 139*
Dibromofluoromethane (Surr)	*108*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-779379/8
Matrix: Solid
Analysis Batch: 779379

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/21/21 12:20	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/21/21 12:20	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/21/21 12:20	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/21/21 12:20	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/21/21 12:20	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/21/21 12:20	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/21/21 12:20	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/21/21 12:20	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/21/21 12:20	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/21/21 12:20	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/21/21 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*		*05/21/21 12:20*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*05/21/21 12:20*	*1*
Dibromofluoromethane (Surr)	*114*		*77 - 124*		*05/21/21 12:20*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/21/21 12:20*	*1*

Lab Sample ID: LCS 460-779379/3
Matrix: Solid
Analysis Batch: 779379

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0196		mg/L		98	68 - 133		
1,2-Dichloroethane			0.0200	0.0189		mg/L		95	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0201		mg/L		100	80 - 118		
2-Butanone (MEK)			0.100	0.107		mg/L		107	69 - 128		
Benzene			0.0200	0.0206		mg/L		103	78 - 126		
Carbon tetrachloride			0.0200	0.0205		mg/L		102	56 - 131		
Chlorobenzene			0.0200	0.0206		mg/L		103	80 - 119		
Chloroform			0.0200	0.0208		mg/L		104	78 - 125		
Tetrachloroethene			0.0200	0.0198		mg/L		99	70 - 127		
Trichloroethene			0.0200	0.0198		mg/L		99	71 - 121		

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

Lab Sample ID: LCS 460-779379/3
Matrix: Solid
Analysis Batch: 779379

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			0.0200	0.0177		mg/L		89	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 123*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-779379/4
Matrix: Solid
Analysis Batch: 779379

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0191		mg/L		95	68 - 133	3	30
1,2-Dichloroethane			0.0200	0.0201		mg/L		100	75 - 121	6	30
1,4-Dichlorobenzene			0.0200	0.0192		mg/L		96	80 - 118	5	30
2-Butanone (MEK)			0.100	0.0967		mg/L		97	69 - 128	10	30
Benzene			0.0200	0.0197		mg/L		99	78 - 126	5	30
Carbon tetrachloride			0.0200	0.0208		mg/L		104	56 - 131	2	30
Chlorobenzene			0.0200	0.0196		mg/L		98	80 - 119	5	30
Chloroform			0.0200	0.0201		mg/L		101	78 - 125	3	30
Tetrachloroethene			0.0200	0.0189		mg/L		95	70 - 127	4	30
Trichloroethene			0.0200	0.0196		mg/L		98	71 - 121	1	30
Vinyl chloride			0.0200	0.0187		mg/L		93	61 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-779385/7
Matrix: Solid
Analysis Batch: 779385

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/21/21 10:24	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/21/21 10:24	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/21/21 10:24	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/21/21 10:24	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/21/21 10:24	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/21/21 10:24	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/21/21 10:24	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/21/21 10:24	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/21/21 10:24	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/21/21 10:24	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/21/21 10:24	1

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

Lab Sample ID: MB 460-779385/7
Matrix: Solid
Analysis Batch: 779385

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 123		05/21/21 10:24	1
4-Bromofluorobenzene	110		76 - 120		05/21/21 10:24	1
Dibromofluoromethane (Surr)	109		77 - 124		05/21/21 10:24	1
Toluene-d8 (Surr)	96		80 - 120		05/21/21 10:24	1

Lab Sample ID: LCS 460-779385/3
Matrix: Solid
Analysis Batch: 779385

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0236		mg/L		118	68 - 133		
1,2-Dichloroethane			0.0200	0.0231		mg/L		115	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118		
2-Butanone (MEK)			0.100	0.120		mg/L		120	69 - 128		
Benzene			0.0200	0.0201		mg/L		101	78 - 126		
Carbon tetrachloride			0.0200	0.0228		mg/L		114	56 - 131		
Chlorobenzene			0.0200	0.0203		mg/L		102	80 - 119		
Chloroform			0.0200	0.0225		mg/L		113	78 - 125		
Tetrachloroethene			0.0200	0.0188		mg/L		94	70 - 127		
Trichloroethene			0.0200	0.0224		mg/L		112	71 - 121		
Vinyl chloride			0.0200	0.0214		mg/L		107	61 - 144		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 123
4-Bromofluorobenzene	92		76 - 120
Dibromofluoromethane (Surr)	96		77 - 124
Toluene-d8 (Surr)	90		80 - 120

Lab Sample ID: LCSD 460-779385/4
Matrix: Solid
Analysis Batch: 779385

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0217		mg/L		109	68 - 133	8	30
1,2-Dichloroethane			0.0200	0.0215		mg/L		108	75 - 121	7	30
1,4-Dichlorobenzene			0.0200	0.0184		mg/L		92	80 - 118	7	30
2-Butanone (MEK)			0.100	0.117		mg/L		117	69 - 128	3	30
Benzene			0.0200	0.0195		mg/L		97	78 - 126	3	30
Carbon tetrachloride			0.0200	0.0219		mg/L		109	56 - 131	4	30
Chlorobenzene			0.0200	0.0195		mg/L		97	80 - 119	4	30
Chloroform			0.0200	0.0208		mg/L		104	78 - 125	8	30
Tetrachloroethene			0.0200	0.0185		mg/L		93	70 - 127	1	30
Trichloroethene			0.0200	0.0212		mg/L		106	71 - 121	6	30
Vinyl chloride			0.0200	0.0208		mg/L		104	61 - 144	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 123
4-Bromofluorobenzene	94		76 - 120

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

Lab Sample ID: LCSD 460-779385/4
Matrix: Solid
Analysis Batch: 779385

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: LB3 460-779489/1-A
Matrix: Solid
Analysis Batch: 780468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779489

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/21/21 14:42	05/23/21 07:42	1

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

Lab Sample ID: LB3 460-779489/1-A
Matrix: Solid
Analysis Batch: 780468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779489

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/21/21 14:42	05/23/21 07:42	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/21/21 14:42	05/23/21 07:42	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/21/21 14:42*	*05/23/21 07:42*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*05/21/21 14:42*	*05/23/21 07:42*	*1*
4-Bromofluorobenzene	*121*		*70 - 139*	*05/21/21 14:42*	*05/23/21 07:42*	*1*
Dibromofluoromethane (Surr)	*126*		*48 - 150*	*05/21/21 14:42*	*05/23/21 07:42*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*05/21/21 14:42*	*05/23/21 07:42*	*1*

Lab Sample ID: MB 460-779612/8
Matrix: Solid
Analysis Batch: 779612

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			05/22/21 11:01	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			05/22/21 11:01	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			05/22/21 11:01	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			05/22/21 11:01	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			05/22/21 11:01	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			05/22/21 11:01	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			05/22/21 11:01	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			05/22/21 11:01	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			05/22/21 11:01	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			05/22/21 11:01	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			05/22/21 11:01	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			05/22/21 11:01	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			05/22/21 11:01	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			05/22/21 11:01	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			05/22/21 11:01	50
Acetone	0.25	U	0.25	0.22	mg/Kg			05/22/21 11:01	50
Benzene	0.050	U	0.050	0.010	mg/Kg			05/22/21 11:01	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			05/22/21 11:01	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			05/22/21 11:01	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			05/22/21 11:01	50

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

Lab Sample ID: MB 460-779612/8
Matrix: Solid
Analysis Batch: 779612

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			05/22/21 11:01	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			05/22/21 11:01	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			05/22/21 11:01	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			05/22/21 11:01	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			05/22/21 11:01	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			05/22/21 11:01	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			05/22/21 11:01	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			05/22/21 11:01	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			05/22/21 11:01	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			05/22/21 11:01	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			05/22/21 11:01	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			05/22/21 11:01	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			05/22/21 11:01	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			05/22/21 11:01	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			05/22/21 11:01	50
o-Xylene	0.050	U	0.050	0.016	mg/Kg			05/22/21 11:01	50
Styrene	0.050	U	0.050	0.0085	mg/Kg			05/22/21 11:01	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			05/22/21 11:01	50
Toluene	0.050	U	0.050	0.013	mg/Kg			05/22/21 11:01	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			05/22/21 11:01	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			05/22/21 11:01	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			05/22/21 11:01	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			05/22/21 11:01	50

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/22/21 11:01*	*50*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 150*		*05/22/21 11:01*	*50*
4-Bromofluorobenzene	*93*		*62 - 150*		*05/22/21 11:01*	*50*
Dibromofluoromethane (Surr)	*100*		*54 - 150*		*05/22/21 11:01*	*50*
Toluene-d8 (Surr)	*101*		*68 - 148*		*05/22/21 11:01*	*50*

Lab Sample ID: LCS 460-779612/3
Matrix: Solid
Analysis Batch: 779612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.00	0.959		mg/Kg		96	73 - 121
1,1,2,2-Tetrachloroethane	1.00	1.12		mg/Kg		112	74 - 138
1,1,2-Trichloro-1,2,2-trifluoroetha ne	1.00	0.954		mg/Kg		95	63 - 137

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

Lab Sample ID: LCS 460-779612/3
Matrix: Solid
Analysis Batch: 779612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	1.00	1.05		mg/Kg		105	79 - 120
1,1-Dichloroethane	1.00	1.05		mg/Kg		105	79 - 124
1,1-Dichloroethene	1.00	1.05		mg/Kg		105	72 - 128
1,2,3-Trichlorobenzene	1.00	0.876		mg/Kg		88	70 - 145
1,2,4-Trichlorobenzene	1.00	0.885		mg/Kg		89	70 - 138
1,2-Dibromo-3-Chloropropane	1.00	0.991		mg/Kg		99	73 - 131
1,2-Dichlorobenzene	1.00	0.969		mg/Kg		97	80 - 120
1,2-Dichloroethane	1.00	1.01		mg/Kg		101	62 - 132
1,2-Dichloropropane	1.00	1.05		mg/Kg		105	78 - 125
1,3-Dichlorobenzene	1.00	0.998		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	1.00	0.989		mg/Kg		99	80 - 120
2-Butanone (MEK)	5.00	4.67		mg/Kg		93	65 - 131
2-Hexanone	5.00	4.93		mg/Kg		99	80 - 121
4-Methyl-2-pentanone (MIBK)	5.00	5.15		mg/Kg		103	80 - 120
Acetone	5.00	5.42		mg/Kg		108	56 - 127
Benzene	1.00	1.07		mg/Kg		107	80 - 120
Bromoform	1.00	1.07		mg/Kg		107	62 - 121
Bromomethane	1.00	0.884		mg/Kg		88	39 - 150
Carbon disulfide	1.00	1.10		mg/Kg		110	67 - 134
Carbon tetrachloride	1.00	1.04		mg/Kg		104	68 - 123
Chlorobenzene	1.00	0.986		mg/Kg		99	80 - 120
Chlorobromomethane	1.00	0.886		mg/Kg		89	80 - 121
Chlorodibromomethane	1.00	1.02		mg/Kg		102	74 - 120
Chloroethane	1.00	1.19		mg/Kg		119	61 - 142
Chloroform	1.00	1.01		mg/Kg		101	80 - 120
Chloromethane	1.00	1.13		mg/Kg		113	47 - 150
cis-1,2-Dichloroethene	1.00	0.943		mg/Kg		94	80 - 120
cis-1,3-Dichloropropene	1.00	1.09		mg/Kg		109	71 - 132
Cyclohexane	1.00	0.886		mg/Kg		89	76 - 125
Dichlorobromomethane	1.00	1.04		mg/Kg		104	77 - 120
Dichlorodifluoromethane	1.00	0.860		mg/Kg		86	45 - 145
Ethylbenzene	1.00	0.968		mg/Kg		97	72 - 121
Ethylene Dibromide	1.00	0.994		mg/Kg		99	80 - 120
Isopropylbenzene	1.00	0.965		mg/Kg		96	67 - 125
Methyl acetate	2.00	2.53		mg/Kg		126	41 - 150
Methyl tert-butyl ether	1.00	0.959		mg/Kg		96	77 - 125
Methylcyclohexane	1.00	0.867		mg/Kg		87	61 - 136
Methylene Chloride	1.00	0.972		mg/Kg		97	74 - 127
m-Xylene & p-Xylene	1.00	0.951		mg/Kg		95	72 - 120
o-Xylene	1.00	0.964		mg/Kg		96	72 - 123
Styrene	1.00	1.01		mg/Kg		101	74 - 124
Tetrachloroethene	1.00	0.876		mg/Kg		88	73 - 120
Toluene	1.00	1.04		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	1.00	0.927		mg/Kg		93	77 - 127
trans-1,3-Dichloropropene	1.00	1.07		mg/Kg		107	68 - 132
Trichloroethene	1.00	0.979		mg/Kg		98	77 - 120
Trichlorofluoromethane	1.00	1.02		mg/Kg		102	66 - 133
Vinyl chloride	1.00	1.12		mg/Kg		112	57 - 150

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

Lab Sample ID: LCS 460-779612/3
Matrix: Solid
Analysis Batch: 779612

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 150*
4-Bromofluorobenzene	*94*		*62 - 150*
Dibromofluoromethane (Surr)	*95*		*54 - 150*
Toluene-d8 (Surr)	*103*		*68 - 148*

Lab Sample ID: LCSD 460-779612/4
Matrix: Solid
Analysis Batch: 779612

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			1.00	0.984		mg/Kg		98	73 - 121	3	30
1,1,2,2-Tetrachloroethane			1.00	1.11		mg/Kg		111	74 - 138	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			1.00	0.932		mg/Kg		93	63 - 137	2	30
1,1,2-Trichloroethane			1.00	1.04		mg/Kg		104	79 - 120	1	30
1,1-Dichloroethane			1.00	1.06		mg/Kg		106	79 - 124	2	30
1,1-Dichloroethene			1.00	0.983		mg/Kg		98	72 - 128	6	30
1,2,3-Trichlorobenzene			1.00	0.872		mg/Kg		87	70 - 145	0	30
1,2,4-Trichlorobenzene			1.00	0.873		mg/Kg		87	70 - 138	1	30
1,2-Dibromo-3-Chloropropane			1.00	1.02		mg/Kg		102	73 - 131	2	30
1,2-Dichlorobenzene			1.00	0.996		mg/Kg		100	80 - 120	3	30
1,2-Dichloroethane			1.00	1.02		mg/Kg		102	62 - 132	1	30
1,2-Dichloropropane			1.00	1.03		mg/Kg		103	78 - 125	2	30
1,3-Dichlorobenzene			1.00	0.971		mg/Kg		97	80 - 120	3	30
1,4-Dichlorobenzene			1.00	0.991		mg/Kg		99	80 - 120	0	30
2-Butanone (MEK)			5.00	4.78		mg/Kg		96	65 - 131	2	30
2-Hexanone			5.00	4.86		mg/Kg		97	80 - 121	1	30
4-Methyl-2-pentanone (MIBK)			5.00	5.09		mg/Kg		102	80 - 120	1	30
Acetone			5.00	5.29		mg/Kg		106	56 - 127	3	30
Benzene			1.00	1.07		mg/Kg		107	80 - 120	0	30
Bromoform			1.00	1.10		mg/Kg		110	62 - 121	3	30
Bromomethane			1.00	0.875		mg/Kg		88	39 - 150	1	30
Carbon disulfide			1.00	1.06		mg/Kg		106	67 - 134	3	30
Carbon tetrachloride			1.00	1.05		mg/Kg		105	68 - 123	1	30
Chlorobenzene			1.00	0.965		mg/Kg		96	80 - 120	2	30
Chlorobromomethane			1.00	0.975		mg/Kg		97	80 - 121	10	30
Chlorodibromomethane			1.00	1.03		mg/Kg		103	74 - 120	0	30
Chloroethane			1.00	1.18		mg/Kg		118	61 - 142	0	30
Chloroform			1.00	1.04		mg/Kg		104	80 - 120	3	30
Chloromethane			1.00	1.15		mg/Kg		115	47 - 150	2	30
cis-1,2-Dichloroethene			1.00	0.995		mg/Kg		100	80 - 120	5	30
cis-1,3-Dichloropropene			1.00	1.09		mg/Kg		109	71 - 132	1	30
Cyclohexane			1.00	0.936		mg/Kg		94	76 - 125	5	30
Dichlorobromomethane			1.00	1.04		mg/Kg		104	77 - 120	0	30
Dichlorodifluoromethane			1.00	0.820		mg/Kg		82	45 - 145	5	30
Ethylbenzene			1.00	0.994		mg/Kg		99	72 - 121	3	30
Ethylene Dibromide			1.00	0.997		mg/Kg		100	80 - 120	0	30
Isopropylbenzene			1.00	0.970		mg/Kg		97	67 - 125	1	30
Methyl acetate			2.00	2.52		mg/Kg		126	41 - 150	0	30

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

Lab Sample ID: LCSD 460-779612/4
Matrix: Solid
Analysis Batch: 779612

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			1.00	1.01		mg/Kg		101	77 - 125	6	30
Methylcyclohexane			1.00	0.866		mg/Kg		87	61 - 136	0	30
Methylene Chloride			1.00	1.02		mg/Kg		102	74 - 127	4	30
m-Xylene & p-Xylene			1.00	0.954		mg/Kg		95	72 - 120	0	30
o-Xylene			1.00	0.973		mg/Kg		97	72 - 123	1	30
Styrene			1.00	0.979		mg/Kg		98	74 - 124	3	30
Tetrachloroethene			1.00	0.883		mg/Kg		88	73 - 120	1	30
Toluene			1.00	1.04		mg/Kg		104	80 - 120	0	30
trans-1,2-Dichloroethene			1.00	1.00		mg/Kg		100	77 - 127	8	30
trans-1,3-Dichloropropene			1.00	1.06		mg/Kg		106	68 - 132	1	30
Trichloroethene			1.00	0.973		mg/Kg		97	77 - 120	1	30
Trichlorofluoromethane			1.00	0.969		mg/Kg		97	66 - 133	6	30
Vinyl chloride			1.00	1.09		mg/Kg		109	57 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 150*
4-Bromofluorobenzene	*94*		*62 - 150*
Dibromofluoromethane (Surr)	*97*		*54 - 150*
Toluene-d8 (Surr)	*103*		*68 - 148*

Lab Sample ID: LB3 460-779637/1-A
Matrix: Solid
Analysis Batch: 780432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779637

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/22/21 13:26	05/24/21 21:00	1

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

Lab Sample ID: LB3 460-779637/1-A
Matrix: Solid
Analysis Batch: 780432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779637

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/22/21 13:26	05/24/21 21:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/22/21 13:26	05/24/21 21:00	1

Tentatively Identified Compound	*Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/22/21 13:26*	*05/24/21 21:00*	*1*

Surrogate	*%Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 145*	*05/22/21 13:26*	*05/24/21 21:00*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*05/22/21 13:26*	*05/24/21 21:00*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*	*05/22/21 13:26*	*05/24/21 21:00*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*05/22/21 13:26*	*05/24/21 21:00*	*1*

Lab Sample ID: MB 460-780101/9
Matrix: Solid
Analysis Batch: 780101

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/25/21 12:43	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/25/21 12:43	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/25/21 12:43	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/25/21 12:43	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/25/21 12:43	1

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

Lab Sample ID: MB 460-780101/9
Matrix: Solid
Analysis Batch: 780101

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/25/21 12:43	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/25/21 12:43	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/25/21 12:43	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/25/21 12:43	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/25/21 12:43	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/25/21 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/25/21 12:43*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*05/25/21 12:43*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*05/25/21 12:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/25/21 12:43*	*1*

Lab Sample ID: LCS 460-780101/4
Matrix: Solid
Analysis Batch: 780101

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0175		mg/L		87	68 - 133
1,2-Dichloroethane	0.0200	0.0196		mg/L		98	75 - 121
1,4-Dichlorobenzene	0.0200	0.0196		mg/L		98	80 - 118
2-Butanone (MEK)	0.100	0.0940		mg/L		94	69 - 128
Benzene	0.0200	0.0210		mg/L		105	78 - 126
Carbon tetrachloride	0.0200	0.0325	*	mg/L		163	56 - 131
Chlorobenzene	0.0200	0.0197		mg/L		98	80 - 119
Chloroform	0.0200	0.0202		mg/L		101	78 - 125
Tetrachloroethene	0.0200	0.0218		mg/L		109	70 - 127
Trichloroethene	0.0200	0.0203		mg/L		101	71 - 121
Vinyl chloride	0.0200	0.0204		mg/L		102	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*
4-Bromofluorobenzene	*115*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-780101/5
Matrix: Solid
Analysis Batch: 780101

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0167		mg/L		83	68 - 133	5	30
1,2-Dichloroethane	0.0200	0.0191		mg/L		95	75 - 121	2	30
1,4-Dichlorobenzene	0.0200	0.0192		mg/L		96	80 - 118	2	30
2-Butanone (MEK)	0.100	0.0956		mg/L		96	69 - 128	2	30
Benzene	0.0200	0.0207		mg/L		104	78 - 126	1	30
Carbon tetrachloride	0.0200	0.0327	*	mg/L		164	56 - 131	1	30
Chlorobenzene	0.0200	0.0193		mg/L		97	80 - 119	2	30

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

Lab Sample ID: LCSD 460-780101/5
Matrix: Solid
Analysis Batch: 780101

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	0.0200	0.0199		mg/L		100	78 - 125	1	30
Tetrachloroethene	0.0200	0.0210		mg/L		105	70 - 127	4	30
Trichloroethene	0.0200	0.0198		mg/L		99	71 - 121	3	30
Vinyl chloride	0.0200	0.0201		mg/L		100	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*
4-Bromofluorobenzene	*111*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-780318/9
Matrix: Solid
Analysis Batch: 780318

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/26/21 10:39	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/26/21 10:39	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/26/21 10:39	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/26/21 10:39	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/26/21 10:39	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/26/21 10:39	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/26/21 10:39	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/26/21 10:39	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/26/21 10:39	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/26/21 10:39	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/26/21 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*05/26/21 10:39*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*05/26/21 10:39*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*05/26/21 10:39*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/26/21 10:39*	*1*

Lab Sample ID: LCS 460-780318/4
Matrix: Solid
Analysis Batch: 780318

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0185		mg/L		93	68 - 133
1,2-Dichloroethane	0.0200	0.0198		mg/L		99	75 - 121
1,4-Dichlorobenzene	0.0200	0.0191		mg/L		96	80 - 118
2-Butanone (MEK)	0.100	0.0950		mg/L		95	69 - 128
Benzene	0.0200	0.0186		mg/L		93	78 - 126
Carbon tetrachloride	0.0200	0.0318	*	mg/L		159	56 - 131
Chlorobenzene	0.0200	0.0185		mg/L		92	80 - 119
Chloroform	0.0200	0.0198		mg/L		99	78 - 125
Tetrachloroethene	0.0200	0.0203		mg/L		102	70 - 127

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

Lab Sample ID: LCS 460-780318/4
Matrix: Solid
Analysis Batch: 780318

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			0.0200	0.0202		mg/L		101	71 - 121		
Vinyl chloride			0.0200	0.0189		mg/L		95	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-780318/5
Matrix: Solid
Analysis Batch: 780318

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0190		mg/L		95	68 - 133	2	30
1,2-Dichloroethane			0.0200	0.0201		mg/L		101	75 - 121	2	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118	3	30
2-Butanone (MEK)			0.100	0.0934		mg/L		93	69 - 128	2	30
Benzene			0.0200	0.0207		mg/L		103	78 - 126	10	30
Carbon tetrachloride			0.0200	0.0342	*	mg/L		171	56 - 131	7	30
Chlorobenzene			0.0200	0.0196		mg/L		98	80 - 119	6	30
Chloroform			0.0200	0.0205		mg/L		103	78 - 125	4	30
Tetrachloroethene			0.0200	0.0217		mg/L		108	70 - 127	6	30
Trichloroethene			0.0200	0.0208		mg/L		104	71 - 121	3	30
Vinyl chloride			0.0200	0.0197		mg/L		99	61 - 144	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 460-780354/8
Matrix: Solid
Analysis Batch: 780354

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:18	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/26/21 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/26/21 11:18	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:18	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/26/21 11:18	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:18	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:18	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:18	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/26/21 11:18	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/26/21 11:18	1

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

Lab Sample ID: MB 460-780354/8
Matrix: Solid
Analysis Batch: 780354

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/26/21 11:18	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/26/21 11:18	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/26/21 11:18	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/26/21 11:18	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/26/21 11:18	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/26/21 11:18	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/26/21 11:18	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/26/21 11:18	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/26/21 11:18	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/26/21 11:18	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:18	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/26/21 11:18	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/26/21 11:18	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/26/21 11:18	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/26/21 11:18	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/26/21 11:18	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:18	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:18	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/26/21 11:18	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/26/21 11:18	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/26/21 11:18	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/26/21 11:18	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:18	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/26/21 11:18	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/26/21 11:18	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/26/21 11:18	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/26/21 11:18	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/26/21 11:18	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/26/21 11:18	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/26/21 11:18	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/26/21 11:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/26/21 11:18	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:18	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/26/21 11:18	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:18	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/26/21 11:18	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/26/21 11:18	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/26/21 11:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/26/21 11:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 145*		*05/26/21 11:18*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*		*05/26/21 11:18*	*1*
Dibromofluoromethane (Surr)	*78*		*48 - 150*		*05/26/21 11:18*	*1*

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

Lab Sample ID: MB 460-780354/8
Matrix: Solid
Analysis Batch: 780354

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	80		80 - 120		05/26/21 11:18	1

Lab Sample ID: LCS 460-780354/16
Matrix: Solid
Analysis Batch: 780354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0188		mg/Kg		94	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0190		mg/Kg		95	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0172		mg/Kg		86	78 - 136
1,1,2-Trichloroethane	0.0200	0.0174		mg/Kg		87	75 - 120
1,1-Dichloroethane	0.0200	0.0173		mg/Kg		87	76 - 129
1,1-Dichloroethene	0.0200	0.0182		mg/Kg		91	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0207		mg/Kg		103	60 - 126
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 132
1,2-Dichloropropane	0.0200	0.0157		mg/Kg		79	73 - 124
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.0773		mg/Kg		77	75 - 120
2-Hexanone	0.100	0.0875		mg/Kg		88	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0901		mg/Kg		90	80 - 122
Acetone	0.100	0.0847		mg/Kg		85	63 - 131
Benzene	0.0200	0.0174		mg/Kg		87	80 - 123
Bromoform	0.0200	0.0160		mg/Kg		80	48 - 142
Bromomethane	0.0200	0.0237		mg/Kg		118	46 - 150
Carbon disulfide	0.0200	0.0184		mg/Kg		92	67 - 136
Carbon tetrachloride	0.0200	0.0199		mg/Kg		100	72 - 136
Chlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
Chlorobromomethane	0.0200	0.0165		mg/Kg		82	76 - 127
Chlorodibromomethane	0.0200	0.0191		mg/Kg		95	62 - 128
Chloroethane	0.0200	0.0172		mg/Kg		86	49 - 150
Chloroform	0.0200	0.0173		mg/Kg		86	79 - 126
Chloromethane	0.0200	0.0191		mg/Kg		95	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0166		mg/Kg		83	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		93	72 - 120
Cyclohexane	0.0200	0.0156	*	mg/Kg		78	80 - 132
Dichlorobromomethane	0.0200	0.0172		mg/Kg		86	73 - 124
Dichlorodifluoromethane	0.0200	0.0195		mg/Kg		98	40 - 146
Ethylbenzene	0.0200	0.0173		mg/Kg		87	80 - 120
Ethylene Dibromide	0.0200	0.0175		mg/Kg		87	79 - 120
Isopropylbenzene	0.0200	0.0185		mg/Kg		93	80 - 120
Methyl acetate	0.0400	0.0374		mg/Kg		94	58 - 143
Methyl tert-butyl ether	0.0200	0.0172		mg/Kg		86	80 - 125
Methylcyclohexane	0.0200	0.0151	*	mg/Kg		76	79 - 133
Methylene Chloride	0.0200	0.0159		mg/Kg		79	76 - 127

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

Lab Sample ID: LCS 460-780354/16
Matrix: Solid
Analysis Batch: 780354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0173		mg/Kg		87	80 - 120
o-Xylene	0.0200	0.0179		mg/Kg		89	80 - 120
Styrene	0.0200	0.0176		mg/Kg		88	80 - 120
Tetrachloroethene	0.0200	0.0178		mg/Kg		89	78 - 123
Toluene	0.0200	0.0179		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0172		mg/Kg		86	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	68 - 120
Trichloroethene	0.0200	0.0171		mg/Kg		85	79 - 120
Trichlorofluoromethane	0.0200	0.0226		mg/Kg		113	67 - 142
Vinyl chloride	0.0200	0.0166		mg/Kg		83	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*77 - 145*
4-Bromofluorobenzene	*99*		*70 - 139*
Dibromofluoromethane (Surr)	*76*		*48 - 150*
Toluene-d8 (Surr)	*82*		*80 - 120*

Lab Sample ID: LCSD 460-780354/18
Matrix: Solid
Analysis Batch: 780354

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0187		mg/Kg		93	78 - 132	0	30
1,1,2,2-Tetrachloroethane	0.0200	0.0181		mg/Kg		90	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0174		mg/Kg		87	78 - 136	1	30
1,1,2-Trichloroethane	0.0200	0.0174		mg/Kg		87	75 - 120	0	30
1,1-Dichloroethane	0.0200	0.0175		mg/Kg		87	76 - 129	1	30
1,1-Dichloroethene	0.0200	0.0182		mg/Kg		91	77 - 132	0	30
1,2,3-Trichlorobenzene	0.0200	0.0197		mg/Kg		98	65 - 144	3	30
1,2,4-Trichlorobenzene	0.0200	0.0202		mg/Kg		101	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0205		mg/Kg		103	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0181		mg/Kg		90	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0177		mg/Kg		89	70 - 132	1	30
1,2-Dichloropropane	0.0200	0.0158		mg/Kg		79	73 - 124	0	30
1,3-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0754		mg/Kg		75	75 - 120	2	30
2-Hexanone	0.100	0.0878		mg/Kg		88	78 - 120	0	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0906		mg/Kg		91	80 - 122	1	30
Acetone	0.100	0.0852		mg/Kg		85	63 - 131	1	30
Benzene	0.0200	0.0172		mg/Kg		86	80 - 123	1	30
Bromoform	0.0200	0.0155		mg/Kg		77	48 - 142	4	30
Bromomethane	0.0200	0.0230		mg/Kg		115	46 - 150	3	30
Carbon disulfide	0.0200	0.0188		mg/Kg		94	67 - 136	2	30
Carbon tetrachloride	0.0200	0.0201		mg/Kg		100	72 - 136	1	30
Chlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120	1	30
Chlorobromomethane	0.0200	0.0165		mg/Kg		82	76 - 127	0	30
Chlorodibromomethane	0.0200	0.0186		mg/Kg		93	62 - 128	2	30

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

Lab Sample ID: LCSD 460-780354/18
Matrix: Solid
Analysis Batch: 780354

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane			0.0200	0.0164		mg/Kg		82	49 - 150	5	30
Chloroform			0.0200	0.0174		mg/Kg		87	79 - 126	1	30
Chloromethane			0.0200	0.0185		mg/Kg		92	48 - 150	3	30
cis-1,2-Dichloroethene			0.0200	0.0165		mg/Kg		83	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0181		mg/Kg		91	72 - 120	3	30
Cyclohexane			0.0200	0.0160		mg/Kg		80	80 - 132	2	30
Dichlorobromomethane			0.0200	0.0171		mg/Kg		85	73 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0189		mg/Kg		95	40 - 146	3	30
Ethylbenzene			0.0200	0.0169		mg/Kg		84	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0176		mg/Kg		88	79 - 120	1	30
Isopropylbenzene			0.0200	0.0182		mg/Kg		91	80 - 120	2	30
Methyl acetate			0.0400	0.0380		mg/Kg		95	58 - 143	2	30
Methyl tert-butyl ether			0.0200	0.0170		mg/Kg		85	80 - 125	1	30
Methylcyclohexane			0.0200	0.0153	*	mg/Kg		77	79 - 133	2	30
Methylene Chloride			0.0200	0.0161		mg/Kg		80	76 - 127	1	30
m-Xylene & p-Xylene			0.0200	0.0172		mg/Kg		86	80 - 120	1	30
o-Xylene			0.0200	0.0172		mg/Kg		86	80 - 120	4	30
Styrene			0.0200	0.0169		mg/Kg		84	80 - 120	4	30
Tetrachloroethene			0.0200	0.0179		mg/Kg		89	78 - 123	0	30
Toluene			0.0200	0.0176		mg/Kg		88	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0172		mg/Kg		86	78 - 128	0	30
trans-1,3-Dichloropropene			0.0200	0.0183		mg/Kg		91	68 - 120	0	30
Trichloroethene			0.0200	0.0164		mg/Kg		82	79 - 120	4	30
Trichlorofluoromethane			0.0200	0.0216		mg/Kg		108	67 - 142	5	30
Vinyl chloride			0.0200	0.0160		mg/Kg		80	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*78*		*77 - 145*
4-Bromofluorobenzene	*99*		*70 - 139*
Dibromofluoromethane (Surr)	*76*		*48 - 150*
Toluene-d8 (Surr)	*82*		*80 - 120*

Lab Sample ID: MB 460-780432/8
Matrix: Solid
Analysis Batch: 780432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/24/21 20:37	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/24/21 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/24/21 20:37	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/24/21 20:37	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/24/21 20:37	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/24/21 20:37	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/24/21 20:37	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/24/21 20:37	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/24/21 20:37	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/24/21 20:37	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/24/21 20:37	1

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

Lab Sample ID: MB 460-780432/8
Matrix: Solid
Analysis Batch: 780432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/24/21 20:37	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/24/21 20:37	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/24/21 20:37	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/24/21 20:37	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/24/21 20:37	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/24/21 20:37	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/24/21 20:37	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/24/21 20:37	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/24/21 20:37	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/24/21 20:37	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/24/21 20:37	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/24/21 20:37	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/24/21 20:37	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/24/21 20:37	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/24/21 20:37	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/24/21 20:37	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/24/21 20:37	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/24/21 20:37	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/24/21 20:37	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/24/21 20:37	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/24/21 20:37	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/24/21 20:37	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/24/21 20:37	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/24/21 20:37	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/24/21 20:37	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/24/21 20:37	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/24/21 20:37	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/24/21 20:37	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/24/21 20:37	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/24/21 20:37	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/24/21 20:37	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/24/21 20:37	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/24/21 20:37	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/24/21 20:37	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/24/21 20:37	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/24/21 20:37	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/24/21 20:37	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/24/21 20:37	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/24/21 20:37	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/24/21 20:37	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/24/21 20:37*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 145*		*05/24/21 20:37*	*1*
4-Bromofluorobenzene	*115*		*70 - 139*		*05/24/21 20:37*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*		*05/24/21 20:37*	*1*

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

Lab Sample ID: MB 460-780432/8
Matrix: Solid
Analysis Batch: 780432

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		05/24/21 20:37	1

Lab Sample ID: LCS 460-780432/4
Matrix: Solid
Analysis Batch: 780432

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0202		mg/Kg		101	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0238		mg/Kg		119	78 - 136
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		94	75 - 120
1,1-Dichloroethane	0.0200	0.0198		mg/Kg		99	76 - 129
1,1-Dichloroethene	0.0200	0.0195		mg/Kg		98	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0227		mg/Kg		114	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0235		mg/Kg		117	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		91	60 - 126
1,2-Dichlorobenzene	0.0200	0.0211		mg/Kg		106	80 - 120
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 132
1,2-Dichloropropane	0.0200	0.0178		mg/Kg		89	73 - 124
1,3-Dichlorobenzene	0.0200	0.0217		mg/Kg		109	80 - 120
1,4-Dichlorobenzene	0.0200	0.0209		mg/Kg		104	80 - 120
2-Butanone (MEK)	0.100	0.120		mg/Kg		120	75 - 120
2-Hexanone	0.100	0.0901		mg/Kg		90	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0957		mg/Kg		96	80 - 122
Acetone	0.100	0.0945		mg/Kg		95	63 - 131
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123
Bromoform	0.0200	0.0194		mg/Kg		97	48 - 142
Bromomethane	0.0200	0.0179		mg/Kg		90	46 - 150
Carbon disulfide	0.0200	0.0209		mg/Kg		104	67 - 136
Carbon tetrachloride	0.0200	0.0197		mg/Kg		99	72 - 136
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Chlorobromomethane	0.0200	0.0211		mg/Kg		106	76 - 127
Chlorodibromomethane	0.0200	0.0177		mg/Kg		88	62 - 128
Chloroethane	0.0200	0.0180		mg/Kg		90	49 - 150
Chloroform	0.0200	0.0205		mg/Kg		103	79 - 126
Chloromethane	0.0200	0.0166		mg/Kg		83	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0161		mg/Kg		80	72 - 120
Cyclohexane	0.0200	0.0205		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0169		mg/Kg		84	73 - 124
Dichlorodifluoromethane	0.0200	0.0176		mg/Kg		88	40 - 146
Ethylbenzene	0.0200	0.0209		mg/Kg		105	80 - 120
Ethylene Dibromide	0.0200	0.0194		mg/Kg		97	79 - 120
Isopropylbenzene	0.0200	0.0209		mg/Kg		105	80 - 120
Methyl acetate	0.0400	0.0412		mg/Kg		103	58 - 143
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		104	80 - 125
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133
Methylene Chloride	0.0200	0.0200		mg/Kg		100	76 - 127

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

Lab Sample ID: LCS 460-780432/4
Matrix: Solid
Analysis Batch: 780432

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0209		mg/Kg		104	80 - 120
o-Xylene	0.0200	0.0208		mg/Kg		104	80 - 120
Styrene	0.0200	0.0193		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0235		mg/Kg		118	78 - 123
Toluene	0.0200	0.0192		mg/Kg		96	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0212		mg/Kg		106	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0157		mg/Kg		79	68 - 120
Trichloroethene	0.0200	0.0194		mg/Kg		97	79 - 120
Trichlorofluoromethane	0.0200	0.0194		mg/Kg		97	67 - 142
Vinyl chloride	0.0200	0.0181		mg/Kg		90	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*
4-Bromofluorobenzene	*120*		*70 - 139*
Dibromofluoromethane (Surr)	*112*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-780432/5
Matrix: Solid
Analysis Batch: 780432

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0207		mg/Kg		103	78 - 132	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0176		mg/Kg		88	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0244		mg/Kg		122	78 - 136	2	30
1,1,2-Trichloroethane	0.0200	0.0177		mg/Kg		89	75 - 120	5	30
1,1-Dichloroethane	0.0200	0.0200		mg/Kg		100	76 - 129	1	30
1,1-Dichloroethene	0.0200	0.0202		mg/Kg		101	77 - 132	4	30
1,2,3-Trichlorobenzene	0.0200	0.0223		mg/Kg		112	65 - 144	2	30
1,2,4-Trichlorobenzene	0.0200	0.0231		mg/Kg		115	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0171		mg/Kg		85	60 - 126	7	30
1,2-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0171		mg/Kg		86	70 - 132	1	30
1,2-Dichloropropane	0.0200	0.0176		mg/Kg		88	73 - 124	1	30
1,3-Dichlorobenzene	0.0200	0.0215		mg/Kg		108	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120	3	30
2-Butanone (MEK)	0.100	0.115		mg/Kg		115	75 - 120	4	30
2-Hexanone	0.100	0.0910		mg/Kg		91	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0972		mg/Kg		97	80 - 122	2	30
Acetone	0.100	0.0895		mg/Kg		90	63 - 131	5	30
Benzene	0.0200	0.0193		mg/Kg		96	80 - 123	3	30
Bromoform	0.0200	0.0190		mg/Kg		95	48 - 142	3	30
Bromomethane	0.0200	0.0178		mg/Kg		89	46 - 150	1	30
Carbon disulfide	0.0200	0.0198		mg/Kg		99	67 - 136	5	30
Carbon tetrachloride	0.0200	0.0200		mg/Kg		100	72 - 136	1	30
Chlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	1	30
Chlorobromomethane	0.0200	0.0202		mg/Kg		101	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0177		mg/Kg		89	62 - 128	0	30

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

Lab Sample ID: LCSD 460-780432/5
Matrix: Solid
Analysis Batch: 780432

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane			0.0200	0.0175		mg/Kg		87	49 - 150	3	30
Chloroform			0.0200	0.0205		mg/Kg		103	79 - 126	0	30
Chloromethane			0.0200	0.0174		mg/Kg		87	48 - 150	5	30
cis-1,2-Dichloroethene			0.0200	0.0212		mg/Kg		106	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0160		mg/Kg		80	72 - 120	1	30
Cyclohexane			0.0200	0.0205		mg/Kg		103	80 - 132	0	30
Dichlorobromomethane			0.0200	0.0167		mg/Kg		83	73 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0194		mg/Kg		97	40 - 146	9	30
Ethylbenzene			0.0200	0.0205		mg/Kg		102	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0187		mg/Kg		94	79 - 120	4	30
Isopropylbenzene			0.0200	0.0207		mg/Kg		103	80 - 120	1	30
Methyl acetate			0.0400	0.0413		mg/Kg		103	58 - 143	0	30
Methyl tert-butyl ether			0.0200	0.0206		mg/Kg		103	80 - 125	1	30
Methylcyclohexane			0.0200	0.0198		mg/Kg		99	79 - 133	1	30
Methylene Chloride			0.0200	0.0197		mg/Kg		99	76 - 127	1	30
m-Xylene & p-Xylene			0.0200	0.0204		mg/Kg		102	80 - 120	2	30
o-Xylene			0.0200	0.0209		mg/Kg		105	80 - 120	0	30
Styrene			0.0200	0.0189		mg/Kg		95	80 - 120	2	30
Tetrachloroethene			0.0200	0.0221		mg/Kg		110	78 - 123	7	30
Toluene			0.0200	0.0186		mg/Kg		93	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0203		mg/Kg		102	78 - 128	4	30
trans-1,3-Dichloropropene			0.0200	0.0152		mg/Kg		76	68 - 120	3	30
Trichloroethene			0.0200	0.0196		mg/Kg		98	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0180		mg/Kg		90	67 - 142	7	30
Vinyl chloride			0.0200	0.0188		mg/Kg		94	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 145*
4-Bromofluorobenzene	*119*		*70 - 139*
Dibromofluoromethane (Surr)	*110*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 460-780468/7
Matrix: Solid
Analysis Batch: 780468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/23/21 07:15	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/23/21 07:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/23/21 07:15	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/23/21 07:15	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/23/21 07:15	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/23/21 07:15	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/23/21 07:15	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/23/21 07:15	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/23/21 07:15	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/23/21 07:15	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/23/21 07:15	1

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

Lab Sample ID: MB 460-780468/7
Matrix: Solid
Analysis Batch: 780468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/23/21 07:15	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/23/21 07:15	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/23/21 07:15	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/23/21 07:15	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/23/21 07:15	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/23/21 07:15	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/23/21 07:15	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/23/21 07:15	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/23/21 07:15	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/23/21 07:15	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/23/21 07:15	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/23/21 07:15	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/23/21 07:15	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/23/21 07:15	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/23/21 07:15	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/23/21 07:15	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/23/21 07:15	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/23/21 07:15	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/23/21 07:15	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/23/21 07:15	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/23/21 07:15	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/23/21 07:15	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/23/21 07:15	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/23/21 07:15	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/23/21 07:15	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/23/21 07:15	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/23/21 07:15	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/23/21 07:15	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/23/21 07:15	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/23/21 07:15	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/23/21 07:15	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/23/21 07:15	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/23/21 07:15	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/23/21 07:15	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/23/21 07:15	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/23/21 07:15	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/23/21 07:15	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/23/21 07:15	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/23/21 07:15	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/23/21 07:15	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/23/21 07:15*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*		*05/23/21 07:15*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*		*05/23/21 07:15*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*		*05/23/21 07:15*	*1*

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

Lab Sample ID: MB 460-780468/7
Matrix: Solid
Analysis Batch: 780468

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		05/23/21 07:15	1

Lab Sample ID: LCS 460-780468/3
Matrix: Solid
Analysis Batch: 780468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0206		mg/Kg		103	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0186		mg/Kg		93	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0254		mg/Kg		127	78 - 136
1,1,2-Trichloroethane	0.0200	0.0194		mg/Kg		97	75 - 120
1,1-Dichloroethane	0.0200	0.0194		mg/Kg		97	76 - 129
1,1-Dichloroethene	0.0200	0.0208		mg/Kg		104	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0226		mg/Kg		113	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0223		mg/Kg		111	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0171		mg/Kg		86	60 - 126
1,2-Dichlorobenzene	0.0200	0.0207		mg/Kg		103	80 - 120
1,2-Dichloroethane	0.0200	0.0173		mg/Kg		86	70 - 132
1,2-Dichloropropane	0.0200	0.0182		mg/Kg		91	73 - 124
1,3-Dichlorobenzene	0.0200	0.0215		mg/Kg		108	80 - 120
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.116		mg/Kg		116	75 - 120
2-Hexanone	0.100	0.0884		mg/Kg		88	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0933		mg/Kg		93	80 - 122
Acetone	0.100	0.0896		mg/Kg		90	63 - 131
Benzene	0.0200	0.0204		mg/Kg		102	80 - 123
Bromoform	0.0200	0.0176		mg/Kg		88	48 - 142
Bromomethane	0.0200	0.0225		mg/Kg		112	46 - 150
Carbon disulfide	0.0200	0.0204		mg/Kg		102	67 - 136
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	72 - 136
Chlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0175		mg/Kg		87	62 - 128
Chloroethane	0.0200	0.0216		mg/Kg		108	49 - 150
Chloroform	0.0200	0.0199		mg/Kg		99	79 - 126
Chloromethane	0.0200	0.0195		mg/Kg		98	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0210		mg/Kg		105	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0164		mg/Kg		82	72 - 120
Cyclohexane	0.0200	0.0213		mg/Kg		106	80 - 132
Dichlorobromomethane	0.0200	0.0170		mg/Kg		85	73 - 124
Dichlorodifluoromethane	0.0200	0.0215		mg/Kg		108	40 - 146
Ethylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120
Ethylene Dibromide	0.0200	0.0191		mg/Kg		95	79 - 120
Isopropylbenzene	0.0200	0.0208		mg/Kg		104	80 - 120
Methyl acetate	0.0400	0.0398		mg/Kg		100	58 - 143
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		99	80 - 125
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133
Methylene Chloride	0.0200	0.0208		mg/Kg		104	76 - 127

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

Lab Sample ID: LCS 460-780468/3
Matrix: Solid
Analysis Batch: 780468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0202		mg/Kg		101	80 - 120
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120
Styrene	0.0200	0.0186		mg/Kg		93	80 - 120
Tetrachloroethene	0.0200	0.0234		mg/Kg		117	78 - 123
Toluene	0.0200	0.0194		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0207		mg/Kg		103	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0153		mg/Kg		77	68 - 120
Trichloroethene	0.0200	0.0198		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0209		mg/Kg		104	67 - 142
Vinyl chloride	0.0200	0.0211		mg/Kg		106	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
4-Bromofluorobenzene	*116*		*70 - 139*
Dibromofluoromethane (Surr)	*113*		*48 - 150*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-780468/4
Matrix: Solid
Analysis Batch: 780468

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		99	78 - 132	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0243		mg/Kg		122	78 - 136	4	30
1,1,2-Trichloroethane	0.0200	0.0184		mg/Kg		92	75 - 120	5	30
1,1-Dichloroethane	0.0200	0.0185		mg/Kg		92	76 - 129	5	30
1,1-Dichloroethene	0.0200	0.0196		mg/Kg		98	77 - 132	6	30
1,2,3-Trichlorobenzene	0.0200	0.0218		mg/Kg		109	65 - 144	3	30
1,2,4-Trichlorobenzene	0.0200	0.0223		mg/Kg		111	75 - 120	0	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0164		mg/Kg		82	60 - 126	4	30
1,2-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0166		mg/Kg		83	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0169		mg/Kg		85	73 - 124	7	30
1,3-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	4	30
2-Butanone (MEK)	0.100	0.114		mg/Kg		114	75 - 120	2	30
2-Hexanone	0.100	0.0847		mg/Kg		85	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0914		mg/Kg		91	80 - 122	2	30
Acetone	0.100	0.0937		mg/Kg		94	63 - 131	4	30
Benzene	0.0200	0.0191		mg/Kg		95	80 - 123	7	30
Bromoform	0.0200	0.0175		mg/Kg		87	48 - 142	0	30
Bromomethane	0.0200	0.0199		mg/Kg		100	46 - 150	12	30
Carbon disulfide	0.0200	0.0199		mg/Kg		99	67 - 136	2	30
Carbon tetrachloride	0.0200	0.0190		mg/Kg		95	72 - 136	4	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	4	30
Chlorobromomethane	0.0200	0.0203		mg/Kg		102	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0173		mg/Kg		87	62 - 128	1	30

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

Lab Sample ID: LCSD 460-780468/4
Matrix: Solid
Analysis Batch: 780468

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane			0.0200	0.0192		mg/Kg		96	49 - 150	12	30
Chloroform			0.0200	0.0192		mg/Kg		96	79 - 126	3	30
Chloromethane			0.0200	0.0189		mg/Kg		94	48 - 150	4	30
cis-1,2-Dichloroethene			0.0200	0.0199		mg/Kg		99	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0157		mg/Kg		78	72 - 120	4	30
Cyclohexane			0.0200	0.0202		mg/Kg		101	80 - 132	5	30
Dichlorobromomethane			0.0200	0.0164		mg/Kg		82	73 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0207		mg/Kg		103	40 - 146	4	30
Ethylbenzene			0.0200	0.0193		mg/Kg		96	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0193		mg/Kg		96	79 - 120	1	30
Isopropylbenzene			0.0200	0.0203		mg/Kg		101	80 - 120	3	30
Methyl acetate			0.0400	0.0395		mg/Kg		99	58 - 143	1	30
Methyl tert-butyl ether			0.0200	0.0198		mg/Kg		99	80 - 125	0	30
Methylcyclohexane			0.0200	0.0197		mg/Kg		98	79 - 133	1	30
Methylene Chloride			0.0200	0.0193		mg/Kg		96	76 - 127	7	30
m-Xylene & p-Xylene			0.0200	0.0197		mg/Kg		99	80 - 120	2	30
o-Xylene			0.0200	0.0193		mg/Kg		96	80 - 120	2	30
Styrene			0.0200	0.0184		mg/Kg		92	80 - 120	1	30
Tetrachloroethene			0.0200	0.0215		mg/Kg		107	78 - 123	9	30
Toluene			0.0200	0.0189		mg/Kg		95	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0203		mg/Kg		101	78 - 128	2	30
trans-1,3-Dichloropropene			0.0200	0.0145		mg/Kg		73	68 - 120	5	30
Trichloroethene			0.0200	0.0199		mg/Kg		100	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0198		mg/Kg		99	67 - 142	5	30
Vinyl chloride			0.0200	0.0198		mg/Kg		99	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
4-Bromofluorobenzene	*115*		*70 - 139*
Dibromofluoromethane (Surr)	*109*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-780648/9
Matrix: Solid
Analysis Batch: 780648

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/27/21 12:47	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/27/21 12:47	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/27/21 12:47	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/27/21 12:47	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/27/21 12:47	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/27/21 12:47	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/27/21 12:47	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/27/21 12:47	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/27/21 12:47	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/27/21 12:47	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/27/21 12:47	1

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

Lab Sample ID: MB 460-780648/9
Matrix: Solid
Analysis Batch: 780648

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 123		05/27/21 12:47	1
4-Bromofluorobenzene	105		76 - 120		05/27/21 12:47	1
Dibromofluoromethane (Surr)	107		77 - 124		05/27/21 12:47	1
Toluene-d8 (Surr)	104		80 - 120		05/27/21 12:47	1

Lab Sample ID: LCS 460-780648/4
Matrix: Solid
Analysis Batch: 780648

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0171		mg/L		86	68 - 133		
1,2-Dichloroethane			0.0200	0.0198		mg/L		99	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0190		mg/L		95	80 - 118		
2-Butanone (MEK)			0.100	0.101		mg/L		101	69 - 128		
Benzene			0.0200	0.0200		mg/L		100	78 - 126		
Carbon tetrachloride			0.0200	0.0327	*	mg/L		163	56 - 131		
Chlorobenzene			0.0200	0.0192		mg/L		96	80 - 119		
Chloroform			0.0200	0.0201		mg/L		100	78 - 125		
Tetrachloroethene			0.0200	0.0200		mg/L		100	70 - 127		
Trichloroethene			0.0200	0.0194		mg/L		97	71 - 121		
Vinyl chloride			0.0200	0.0199		mg/L		99	61 - 144		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		75 - 123
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	104		77 - 124
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 460-780648/5
Matrix: Solid
Analysis Batch: 780648

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0170		mg/L		85	68 - 133	1	30
1,2-Dichloroethane			0.0200	0.0201		mg/L		100	75 - 121	1	30
1,4-Dichlorobenzene			0.0200	0.0192		mg/L		96	80 - 118	1	30
2-Butanone (MEK)			0.100	0.125		mg/L		125	69 - 128	22	30
Benzene			0.0200	0.0197		mg/L		98	78 - 126	2	30
Carbon tetrachloride			0.0200	0.0321	*	mg/L		161	56 - 131	2	30
Chlorobenzene			0.0200	0.0194		mg/L		97	80 - 119	1	30
Chloroform			0.0200	0.0200		mg/L		100	78 - 125	0	30
Tetrachloroethene			0.0200	0.0204		mg/L		102	70 - 127	2	30
Trichloroethene			0.0200	0.0193		mg/L		96	71 - 121	1	30
Vinyl chloride			0.0200	0.0195		mg/L		98	61 - 144	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 123
4-Bromofluorobenzene	104		76 - 120

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

Lab Sample ID: LCSD 460-780648/5
Matrix: Solid
Analysis Batch: 780648

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LB 460-779079/1-A
Matrix: Solid
Analysis Batch: 779385

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/21/21 13:03	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/21/21 13:03	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/21/21 13:03	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/21/21 13:03	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/21/21 13:03	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/21/21 13:03	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/21/21 13:03	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/21/21 13:03	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/21/21 13:03	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/21/21 13:03	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/21/21 13:03	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*05/21/21 13:03*	*10*
4-Bromofluorobenzene	*96*		*76 - 120*		*05/21/21 13:03*	*10*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*05/21/21 13:03*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/21/21 13:03*	*10*

Lab Sample ID: LB 460-779769/1-A
Matrix: Solid
Analysis Batch: 780101

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/25/21 13:09	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/25/21 13:09	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/25/21 13:09	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/25/21 13:09	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/25/21 13:09	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/25/21 13:09	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/25/21 13:09	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/25/21 13:09	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/25/21 13:09	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/25/21 13:09	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/25/21 13:09	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*05/25/21 13:09*	*10*
4-Bromofluorobenzene	*100*		*76 - 120*		*05/25/21 13:09*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/25/21 13:09*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/25/21 13:09*	*10*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

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

Lab Sample ID: LB 460-780328/1-A
Matrix: Solid
Analysis Batch: 780648

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/27/21 13:39	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/27/21 13:39	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/27/21 13:39	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/27/21 13:39	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/27/21 13:39	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/27/21 13:39	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/27/21 13:39	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/27/21 13:39	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/27/21 13:39	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/27/21 13:39	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/27/21 13:39	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/27/21 13:39*	*10*
4-Bromofluorobenzene	*100*		*76 - 120*		*05/27/21 13:39*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*05/27/21 13:39*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/27/21 13:39*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-779235/1-A
Matrix: Solid
Analysis Batch: 779256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/20/21 15:15	05/20/21 20:21	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/20/21 15:15	05/20/21 20:21	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/20/21 15:15	05/20/21 20:21	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/20/21 15:15	05/20/21 20:21	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/20/21 15:15	05/20/21 20:21	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/20/21 15:15	05/20/21 20:21	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/20/21 15:15	05/20/21 20:21	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/20/21 15:15	05/20/21 20:21	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/20/21 15:15	05/20/21 20:21	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/20/21 15:15	05/20/21 20:21	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/20/21 15:15	05/20/21 20:21	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/20/21 15:15	05/20/21 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*33 - 150*	*05/20/21 15:15*	*05/20/21 20:21*	*1*
2-Fluorobiphenyl	*81*		*42 - 127*	*05/20/21 15:15*	*05/20/21 20:21*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/20/21 15:15*	*05/20/21 20:21*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*05/20/21 15:15*	*05/20/21 20:21*	*1*
Phenol-d5 (Surr)	*32*		*10 - 50*	*05/20/21 15:15*	*05/20/21 20:21*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 150*	*05/20/21 15:15*	*05/20/21 20:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-779235/2-A
Matrix: Solid
Analysis Batch: 779256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0800	0.0465		mg/L		58	40 - 102		
2,4,5-Trichlorophenol			0.0800	0.0792		mg/L		99	63 - 112		
2,4,6-Trichlorophenol			0.0800	0.0809		mg/L		101	66 - 117		
3 & 4 Methylphenol			0.0800	0.0501		mg/L		63	43 - 78		
2,4-Dinitrotoluene			0.0800	0.0774		mg/L		97	68 - 134		
Pyridine			0.160	0.0390		mg/L		24	13 - 71		
2-Methylphenol			0.0800	0.0553		mg/L		69	48 - 88		
Hexachlorobenzene			0.0800	0.0787		mg/L		98	61 - 117		
Hexachlorobutadiene			0.0800	0.0589		mg/L		74	10 - 133		
Hexachloroethane			0.0800	0.0424		mg/L		53	17 - 115		
Nitrobenzene			0.0800	0.0754		mg/L		94	71 - 116		
Pentachlorophenol			0.160	0.163		mg/L		102	54 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*33 - 150*
2-Fluorobiphenyl	*89*		*42 - 127*
2-Fluorophenol (Surr)	*48*		*18 - 72*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*101*		*39 - 150*

Lab Sample ID: LCSD 460-779235/3-A
Matrix: Solid
Analysis Batch: 779256

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0469		mg/L		59	40 - 102	1	30
2,4,5-Trichlorophenol			0.0800	0.0777		mg/L		97	63 - 112	2	30
2,4,6-Trichlorophenol			0.0800	0.0814		mg/L		102	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0524		mg/L		66	43 - 78	5	30
2,4-Dinitrotoluene			0.0800	0.0757		mg/L		95	68 - 134	2	30
Pyridine			0.160	0.0398		mg/L		25	13 - 71	2	30
2-Methylphenol			0.0800	0.0555		mg/L		69	48 - 88	0	30
Hexachlorobenzene			0.0800	0.0792		mg/L		99	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0616		mg/L		77	10 - 133	4	30
Hexachloroethane			0.0800	0.0420		mg/L		52	17 - 115	1	30
Nitrobenzene			0.0800	0.0770		mg/L		96	71 - 116	2	30
Pentachlorophenol			0.160	0.160		mg/L		100	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*33 - 150*
2-Fluorobiphenyl	*88*		*42 - 127*
2-Fluorophenol (Surr)	*50*		*18 - 72*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*
Phenol-d5 (Surr)	*34*		*10 - 50*
Terphenyl-d14 (Surr)	*99*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-779297/1-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/20/21 19:36	05/21/21 07:23	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-779297/1-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/20/21 19:36	05/21/21 07:23	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/20/21 19:36	05/21/21 07:23	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.370*	*A J*	*mg/Kg*		*2.85*		*05/20/21 19:36*	*05/21/21 07:23*	*1*
n-Decane	*0.0677*	*J*	*mg/Kg*		*4.22*	*124-18-5*	*05/20/21 19:36*	*05/21/21 07:23*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 123*	*05/20/21 19:36*	*05/21/21 07:23*	*1*
2-Fluorobiphenyl	*74*		*14 - 103*	*05/20/21 19:36*	*05/21/21 07:23*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 105*	*05/20/21 19:36*	*05/21/21 07:23*	*1*
Nitrobenzene-d5 (Surr)	*79*		*11 - 104*	*05/20/21 19:36*	*05/21/21 07:23*	*1*
Phenol-d5 (Surr)	*70*		*15 - 100*	*05/20/21 19:36*	*05/21/21 07:23*	*1*
Terphenyl-d14 (Surr)	*94*		*12 - 126*	*05/20/21 19:36*	*05/21/21 07:23*	*1*

Lab Sample ID: LCS 460-779297/2-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.78		mg/Kg		83	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.90		mg/Kg		87	64 - 110
1,4-Dioxane	3.33	1.94		mg/Kg		58	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.63		mg/Kg		79	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.90		mg/Kg		87	58 - 113
2,4,5-Trichlorophenol	3.33	2.88		mg/Kg		86	64 - 112
2,4,6-Trichlorophenol	3.33	2.95		mg/Kg		89	63 - 113
2,4-Dichlorophenol	3.33	2.98		mg/Kg		89	66 - 113
2,4-Dimethylphenol	3.33	2.79		mg/Kg		84	63 - 107
2,4-Dinitrophenol	6.67	7.67		mg/Kg		115	25 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-779297/2-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3.33	3.37		mg/Kg		101	65 - 124
2,6-Dinitrotoluene	3.33	3.71		mg/Kg		111	67 - 121
2-Chloronaphthalene	3.33	2.79		mg/Kg		84	65 - 109
2-Chlorophenol	3.33	2.85		mg/Kg		86	63 - 106
2-Methylnaphthalene	3.33	2.76		mg/Kg		83	64 - 108
2-Methylphenol	3.33	2.82		mg/Kg		85	63 - 108
2-Nitroaniline	3.33	2.68		mg/Kg		80	59 - 119
2-Nitrophenol	3.33	3.54		mg/Kg		106	64 - 112
3,3'-Dichlorobenzidine	3.33	1.80		mg/Kg		54	17 - 101
3-Nitroaniline	3.33	2.55		mg/Kg		77	31 - 102
4,6-Dinitro-2-methylphenol	6.67	8.11		mg/Kg		122	44 - 136
4-Bromophenyl phenyl ether	3.33	3.07		mg/Kg		92	67 - 113
4-Chloro-3-methylphenol	3.33	2.89		mg/Kg		87	66 - 114
4-Chloroaniline	3.33	1.85		mg/Kg		55	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.86		mg/Kg		86	66 - 110
4-Methylphenol	3.33	2.53		mg/Kg		76	61 - 108
4-Nitroaniline	3.33	2.45		mg/Kg		73	50 - 110
4-Nitrophenol	6.67	4.54		mg/Kg		68	47 - 123
Acenaphthene	3.33	2.48		mg/Kg		75	53 - 110
Acenaphthylene	3.33	2.68		mg/Kg		80	64 - 108
Acetophenone	3.33	2.61		mg/Kg		78	61 - 103
Anthracene	3.33	2.88		mg/Kg		86	67 - 114
Atrazine	1.33	1.31		mg/Kg		98	44 - 145
Benzaldehyde	1.33	1.10		mg/Kg		83	43 - 150
Benzo[a]anthracene	3.33	2.71		mg/Kg		81	67 - 115
Benzo[a]pyrene	3.33	3.20		mg/Kg		96	73 - 123
Benzo[b]fluoranthene	3.33	3.20		mg/Kg		96	70 - 125
Benzo[g,h,i]perylene	3.33	2.88		mg/Kg		86	61 - 113
Benzo[k]fluoranthene	3.33	3.15		mg/Kg		95	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.61		mg/Kg		78	62 - 107
Bis(2-chloroethyl)ether	3.33	2.80		mg/Kg		84	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.90		mg/Kg		87	59 - 111
Butyl benzyl phthalate	3.33	3.05		mg/Kg		92	62 - 113
Caprolactam	1.33	1.15		mg/Kg		86	59 - 140
Carbazole	3.33	2.65		mg/Kg		80	64 - 113
Chrysene	3.33	2.96		mg/Kg		89	71 - 122
Dibenz(a,h)anthracene	3.33	3.15		mg/Kg		94	66 - 119
Dibenzofuran	3.33	2.78		mg/Kg		83	65 - 108
Diethyl phthalate	3.33	2.74		mg/Kg		82	63 - 109
Dimethyl phthalate	3.33	2.82		mg/Kg		85	65 - 109
Di-n-butyl phthalate	3.33	2.84		mg/Kg		85	66 - 114
Di-n-octyl phthalate	3.33	3.17		mg/Kg		95	65 - 122
Fluoranthene	3.33	2.77		mg/Kg		83	61 - 106
Fluorene	3.33	2.77		mg/Kg		83	65 - 109
Hexachlorobenzene	3.33	3.24		mg/Kg		97	61 - 113
Hexachlorobutadiene	3.33	3.19		mg/Kg		96	62 - 109
Hexachlorocyclopentadiene	3.33	2.56		mg/Kg		77	42 - 118
Hexachloroethane	3.33	2.85		mg/Kg		86	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.40		mg/Kg		102	62 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-779297/2-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779297

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isophorone			3.33	2.78		mg/Kg		83	63 - 107		
Naphthalene			3.33	2.78		mg/Kg		83	63 - 106		
Nitrobenzene			3.33	2.93		mg/Kg		88	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.67		mg/Kg		80	61 - 108		
N-Nitrosodiphenylamine			3.33	2.89		mg/Kg		87	67 - 113		
Pentachlorophenol			6.67	5.31		mg/Kg		80	44 - 126		
Phenanthrene			3.33	2.79		mg/Kg		84	66 - 112		
Phenol			3.33	2.87		mg/Kg		86	63 - 110		
Pyrene			3.33	3.03		mg/Kg		91	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*75*		*10 - 105*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*
Phenol-d5 (Surr)	*73*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: LCSD 460-779297/3-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779297

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.83		mg/Kg		85	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene			3.33	2.96		mg/Kg		89	64 - 110	2	30
1,4-Dioxane			3.33	1.89		mg/Kg		57	31 - 81	2	30
2,2'-oxybis[1-chloropropane]			3.33	2.61		mg/Kg		78	49 - 109	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.87		mg/Kg		86	58 - 113	1	30
2,4,5-Trichlorophenol			3.33	2.89		mg/Kg		87	64 - 112	0	30
2,4,6-Trichlorophenol			3.33	3.00		mg/Kg		90	63 - 113	2	30
2,4-Dichlorophenol			3.33	3.01		mg/Kg		90	66 - 113	1	30
2,4-Dimethylphenol			3.33	2.83		mg/Kg		85	63 - 107	2	30
2,4-Dinitrophenol			6.67	7.44		mg/Kg		112	25 - 150	3	30
2,4-Dinitrotoluene			3.33	3.40		mg/Kg		102	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.78		mg/Kg		113	67 - 121	2	30
2-Chloronaphthalene			3.33	2.82		mg/Kg		85	65 - 109	1	30
2-Chlorophenol			3.33	2.85		mg/Kg		85	63 - 106	0	30
2-Methylnaphthalene			3.33	2.83		mg/Kg		85	64 - 108	2	30
2-Methylphenol			3.33	2.79		mg/Kg		84	63 - 108	1	30
2-Nitroaniline			3.33	2.66		mg/Kg		80	59 - 119	1	30
2-Nitrophenol			3.33	3.58		mg/Kg		108	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	1.79		mg/Kg		54	17 - 101	1	30
3-Nitroaniline			3.33	2.61		mg/Kg		78	31 - 102	2	30
4,6-Dinitro-2-methylphenol			6.67	8.10		mg/Kg		122	44 - 136	0	30
4-Bromophenyl phenyl ether			3.33	3.04		mg/Kg		91	67 - 113	1	30
4-Chloro-3-methylphenol			3.33	2.93		mg/Kg		88	66 - 114	1	30
4-Chloroaniline			3.33	1.87		mg/Kg		56	20 - 98	1	30
4-Chlorophenyl phenyl ether			3.33	2.93		mg/Kg		88	66 - 110	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-779297/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779369
Prep Batch: 779297

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol	3.33	2.49		mg/Kg		75	61 - 108	2	30
4-Nitroaniline	3.33	2.47		mg/Kg		74	50 - 110	1	30
4-Nitrophenol	6.67	4.66		mg/Kg		70	47 - 123	3	30
Acenaphthene	3.33	2.53		mg/Kg		76	53 - 110	2	30
Acenaphthylene	3.33	2.72		mg/Kg		82	64 - 108	2	30
Acetophenone	3.33	2.61		mg/Kg		78	61 - 103	0	30
Anthracene	3.33	2.84		mg/Kg		85	67 - 114	2	30
Atrazine	1.33	1.31		mg/Kg		98	44 - 145	0	30
Benzaldehyde	1.33	1.13		mg/Kg		85	43 - 150	2	30
Benzo[a]anthracene	3.33	2.79		mg/Kg		84	67 - 115	3	30
Benzo[a]pyrene	3.33	3.20		mg/Kg		96	73 - 123	0	30
Benzo[b]fluoranthene	3.33	3.28		mg/Kg		98	70 - 125	2	30
Benzo[g,h,i]perylene	3.33	2.90		mg/Kg		87	61 - 113	1	30
Benzo[k]fluoranthene	3.33	3.20		mg/Kg		96	67 - 115	1	30
Bis(2-chloroethoxy)methane	3.33	2.66		mg/Kg		80	62 - 107	2	30
Bis(2-chloroethyl)ether	3.33	2.75		mg/Kg		83	60 - 107	2	30
Bis(2-ethylhexyl) phthalate	3.33	2.80		mg/Kg		84	59 - 111	4	30
Butyl benzyl phthalate	3.33	3.03		mg/Kg		91	62 - 113	1	30
Caprolactam	1.33	1.17		mg/Kg		88	59 - 140	2	30
Carbazole	3.33	2.64		mg/Kg		79	64 - 113	0	30
Chrysene	3.33	2.79		mg/Kg		84	71 - 122	6	30
Dibenz(a,h)anthracene	3.33	3.11		mg/Kg		93	66 - 119	1	30
Dibenzofuran	3.33	2.84		mg/Kg		85	65 - 108	2	30
Diethyl phthalate	3.33	2.82		mg/Kg		84	63 - 109	3	30
Dimethyl phthalate	3.33	2.86		mg/Kg		86	65 - 109	1	30
Di-n-butyl phthalate	3.33	2.81		mg/Kg		84	66 - 114	1	30
Di-n-octyl phthalate	3.33	3.21		mg/Kg		96	65 - 122	1	30
Fluoranthene	3.33	2.77		mg/Kg		83	61 - 106	0	30
Fluorene	3.33	2.81		mg/Kg		84	65 - 109	1	30
Hexachlorobenzene	3.33	3.16		mg/Kg		95	61 - 113	3	30
Hexachlorobutadiene	3.33	3.21		mg/Kg		96	62 - 109	1	30
Hexachlorocyclopentadiene	3.33	2.64		mg/Kg		79	42 - 118	3	30
Hexachloroethane	3.33	2.91		mg/Kg		87	61 - 102	2	30
Indeno[1,2,3-cd]pyrene	3.33	3.48		mg/Kg		104	62 - 121	2	30
Isophorone	3.33	2.79		mg/Kg		84	63 - 107	1	30
Naphthalene	3.33	2.81		mg/Kg		84	63 - 106	1	30
Nitrobenzene	3.33	2.96		mg/Kg		89	63 - 110	1	30
N-Nitrosodi-n-propylamine	3.33	2.63		mg/Kg		79	61 - 108	1	30
N-Nitrosodiphenylamine	3.33	2.90		mg/Kg		87	67 - 113	0	30
Pentachlorophenol	6.67	5.35		mg/Kg		80	44 - 126	1	30
Phenanthrene	3.33	2.77		mg/Kg		83	66 - 112	1	30
Phenol	3.33	2.82		mg/Kg		85	63 - 110	2	30
Pyrene	3.33	2.97		mg/Kg		89	61 - 111	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*
2-Fluorobiphenyl	*80*		*14 - 103*
2-Fluorophenol (Surr)	*76*		*10 - 105*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-779297/3-A
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779297

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*72*		*15 - 100*
Terphenyl-d14 (Surr)	*95*		*12 - 126*

Lab Sample ID: 460-234659-5 MS
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.35	U	3.53	3.09		mg/Kg	☼	88	65 - 110
1,2,4,5-Tetrachlorobenzene	0.35	U	3.53	3.18		mg/Kg	☼	90	64 - 110
1,4-Dioxane	0.035	U	3.53	1.67		mg/Kg	☼	47	31 - 81
2,2'-oxybis[1-chloropropane]	0.35	U	3.53	2.69		mg/Kg	☼	76	49 - 109
2,3,4,6-Tetrachlorophenol	0.35	U	3.53	3.13		mg/Kg	☼	89	58 - 113
2,4,5-Trichlorophenol	0.35	U	3.53	3.14		mg/Kg	☼	89	64 - 112
2,4,6-Trichlorophenol	0.14	U	3.53	3.35		mg/Kg	☼	95	63 - 113
2,4-Dichlorophenol	0.14	U	3.53	3.24		mg/Kg	☼	92	66 - 113
2,4-Dimethylphenol	0.35	U	3.53	3.03		mg/Kg	☼	86	63 - 107
2,4-Dinitrophenol	0.28	U	7.06	6.58		mg/Kg	☼	93	25 - 150
2,4-Dinitrotoluene	0.071	U	3.53	3.67		mg/Kg	☼	104	65 - 124
2,6-Dinitrotoluene	0.071	U	3.53	4.15		mg/Kg	☼	118	67 - 121
2-Chloronaphthalene	0.35	U	3.53	3.07		mg/Kg	☼	87	65 - 109
2-Chlorophenol	0.35	U	3.53	2.91		mg/Kg	☼	83	63 - 106
2-Methylnaphthalene	0.042	J	3.53	2.99		mg/Kg	☼	84	64 - 108
2-Methylphenol	0.35	U	3.53	2.89		mg/Kg	☼	82	63 - 108
2-Nitroaniline	0.35	U	3.53	2.94		mg/Kg	☼	83	59 - 119
2-Nitrophenol	0.35	U	3.53	3.74		mg/Kg	☼	106	64 - 112
3,3'-Dichlorobenzidine	0.14	U	3.53	2.64		mg/Kg	☼	75	17 - 101
3-Nitroaniline	0.35	U	3.53	2.87		mg/Kg	☼	81	31 - 102
4,6-Dinitro-2-methylphenol	0.28	U	7.06	7.45		mg/Kg	☼	106	44 - 136
4-Bromophenyl phenyl ether	0.35	U	3.53	3.28		mg/Kg	☼	93	67 - 113
4-Chloro-3-methylphenol	0.35	U	3.53	3.13		mg/Kg	☼	89	66 - 114
4-Chloroaniline	0.35	U	3.53	2.00		mg/Kg	☼	57	20 - 98
4-Chlorophenyl phenyl ether	0.35	U	3.53	3.13		mg/Kg	☼	89	66 - 110
4-Methylphenol	0.35	U	3.53	2.54		mg/Kg	☼	72	61 - 108
4-Nitroaniline	0.35	U	3.53	2.41		mg/Kg	☼	68	50 - 110
4-Nitrophenol	0.71	U	7.06	5.31		mg/Kg	☼	75	47 - 123
Acenaphthene	0.023	J	3.53	2.79		mg/Kg	☼	78	53 - 110
Acenaphthylene	0.039	J	3.53	3.00		mg/Kg	☼	84	64 - 108
Acetophenone	0.35	U	3.53	2.71		mg/Kg	☼	77	61 - 103
Anthracene	0.10	J	3.53	3.16		mg/Kg	☼	87	67 - 114
Atrazine	0.14	U	1.41	1.40		mg/Kg	☼	99	44 - 145
Benzaldehyde	0.35	U	1.41	1.11		mg/Kg	☼	79	43 - 150
Benzo[a]anthracene	0.30		3.53	3.17		mg/Kg	☼	81	67 - 115
Benzo[a]pyrene	0.34		3.53	3.74		mg/Kg	☼	96	73 - 123
Benzo[b]fluoranthene	0.48		3.53	3.71		mg/Kg	☼	91	70 - 125
Benzo[g,h,i]perylene	0.25	J	3.53	3.76		mg/Kg	☼	99	61 - 113
Benzo[k]fluoranthene	0.17		3.53	3.58		mg/Kg	☼	97	67 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234659-5 MS
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	0.35	U	3.53	2.78		mg/Kg	☼	79	62 - 107
Bis(2-chloroethyl)ether	0.035	U	3.53	2.80		mg/Kg	☼	79	60 - 107
Bis(2-ethylhexyl) phthalate	0.044	J	3.53	3.25		mg/Kg	☼	91	59 - 111
Butyl benzyl phthalate	0.35	U	3.53	3.43		mg/Kg	☼	97	62 - 113
Caprolactam	0.35	U	1.41	1.34		mg/Kg	☼	95	59 - 140
Carbazole	0.034	J	3.53	2.94		mg/Kg	☼	82	64 - 113
Chrysene	0.33	J	3.53	3.45		mg/Kg	☼	88	71 - 122
Dibenz(a,h)anthracene	0.069		3.53	3.72		mg/Kg	☼	104	66 - 119
Dibenzofuran	0.032	J	3.53	3.06		mg/Kg	☼	86	65 - 108
Diethyl phthalate	0.35	U	3.53	3.01		mg/Kg	☼	85	63 - 109
Dimethyl phthalate	0.35	U	3.53	3.12		mg/Kg	☼	88	65 - 109
Di-n-butyl phthalate	0.35	U	3.53	3.05		mg/Kg	☼	86	66 - 114
Di-n-octyl phthalate	0.35	U	3.53	3.26		mg/Kg	☼	92	65 - 122
Fluoranthene	0.47		3.53	3.21		mg/Kg	☼	78	61 - 106
Fluorene	0.027	J	3.53	3.03		mg/Kg	☼	85	65 - 109
Hexachlorobenzene	0.035	U	3.53	3.42		mg/Kg	☼	97	61 - 113
Hexachlorobutadiene	0.071	U	3.53	3.25		mg/Kg	☼	92	62 - 109
Hexachlorocyclopentadiene	0.35	U	3.53	2.22		mg/Kg	☼	63	42 - 118
Hexachloroethane	0.035	U	3.53	2.83		mg/Kg	☼	80	61 - 102
Indeno[1,2,3-cd]pyrene	0.25		3.53	4.60	*	mg/Kg	☼	123	62 - 121
Isophorone	0.14	U	3.53	2.94		mg/Kg	☼	83	63 - 107
Naphthalene	0.054	J	3.53	2.98		mg/Kg	☼	83	63 - 106
Nitrobenzene	0.035	U	3.53	3.09		mg/Kg	☼	87	63 - 110
N-Nitrosodi-n-propylamine	0.035	U	3.53	2.73		mg/Kg	☼	77	61 - 108
N-Nitrosodiphenylamine	0.35	U	3.53	3.23		mg/Kg	☼	92	67 - 113
Pentachlorophenol	0.28	U	7.06	5.98		mg/Kg	☼	85	44 - 126
Phenanthrene	0.28	J	3.53	3.31		mg/Kg	☼	86	66 - 112
Phenol	0.35	U	3.53	3.00		mg/Kg	☼	85	63 - 110
Pyrene	0.56		3.53	3.83		mg/Kg	☼	93	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*72*		*10 - 105*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*
Phenol-d5 (Surr)	*71*		*15 - 100*
Terphenyl-d14 (Surr)	*100*		*12 - 126*

Lab Sample ID: 460-234659-5 MSD
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.53	3.18		mg/Kg	☼	90	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.53	3.30		mg/Kg	☼	93	64 - 110	4	30
1,4-Dioxane	0.035	U	3.53	1.73		mg/Kg	☼	49	31 - 81	4	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.53	2.87		mg/Kg	☼	81	49 - 109	6	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.53	3.25		mg/Kg	☼	92	58 - 113	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234659-5 MSD
Client Sample ID: WC-28 (0-5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779369
Prep Batch: 779297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.35	U	3.53	3.25		mg/Kg	☼	92	64 - 112	4	30
2,4,6-Trichlorophenol	0.14	U	3.53	3.40		mg/Kg	☼	96	63 - 113	1	30
2,4-Dichlorophenol	0.14	U	3.53	3.39		mg/Kg	☼	96	66 - 113	5	30
2,4-Dimethylphenol	0.35	U	3.53	3.14		mg/Kg	☼	89	63 - 107	4	30
2,4-Dinitrophenol	0.28	U	7.06	6.53		mg/Kg	☼	93	25 - 150	1	30
2,4-Dinitrotoluene	0.071	U	3.53	3.75		mg/Kg	☼	106	65 - 124	2	30
2,6-Dinitrotoluene	0.071	U	3.53	4.27		mg/Kg	☼	121	67 - 121	3	30
2-Chloronaphthalene	0.35	U	3.53	3.21		mg/Kg	☼	91	65 - 109	5	30
2-Chlorophenol	0.35	U	3.53	3.08		mg/Kg	☼	87	63 - 106	6	30
2-Methylnaphthalene	0.042	J	3.53	3.17		mg/Kg	☼	89	64 - 108	6	30
2-Methylphenol	0.35	U	3.53	3.07		mg/Kg	☼	87	63 - 108	6	30
2-Nitroaniline	0.35	U	3.53	3.07		mg/Kg	☼	87	59 - 119	4	30
2-Nitrophenol	0.35	U	3.53	3.96		mg/Kg	☼	112	64 - 112	6	30
3,3'-Dichlorobenzidine	0.14	U	3.53	2.77		mg/Kg	☼	78	17 - 101	5	30
3-Nitroaniline	0.35	U	3.53	2.96		mg/Kg	☼	84	31 - 102	3	30
4,6-Dinitro-2-methylphenol	0.28	U	7.06	7.31		mg/Kg	☼	104	44 - 136	2	30
4-Bromophenyl phenyl ether	0.35	U	3.53	3.36		mg/Kg	☼	95	67 - 113	3	30
4-Chloro-3-methylphenol	0.35	U	3.53	3.28		mg/Kg	☼	93	66 - 114	5	30
4-Chloroaniline	0.35	U	3.53	2.07		mg/Kg	☼	59	20 - 98	3	30
4-Chlorophenyl phenyl ether	0.35	U	3.53	3.20		mg/Kg	☼	91	66 - 110	2	30
4-Methylphenol	0.35	U	3.53	2.73		mg/Kg	☼	77	61 - 108	7	30
4-Nitroaniline	0.35	U	3.53	2.56		mg/Kg	☼	73	50 - 110	6	30
4-Nitrophenol	0.71	U	7.06	5.44		mg/Kg	☼	77	47 - 123	2	30
Acenaphthene	0.023	J	3.53	2.82		mg/Kg	☼	79	53 - 110	1	30
Acenaphthylene	0.039	J	3.53	3.05		mg/Kg	☼	85	64 - 108	2	30
Acetophenone	0.35	U	3.53	2.85		mg/Kg	☼	81	61 - 103	5	30
Anthracene	0.10	J	3.53	3.24		mg/Kg	☼	89	67 - 114	2	30
Atrazine	0.14	U	1.41	1.48		mg/Kg	☼	105	44 - 145	6	30
Benzaldehyde	0.35	U	1.41	1.22	E	mg/Kg	☼	87	43 - 150	9	30
Benzo[a]anthracene	0.30		3.53	3.19		mg/Kg	☼	82	67 - 115	0	30
Benzo[a]pyrene	0.34		3.53	3.72		mg/Kg	☼	96	73 - 123	1	30
Benzo[b]fluoranthene	0.48		3.53	3.72		mg/Kg	☼	92	70 - 125	0	30
Benzo[g,h,i]perylene	0.25	J	3.53	3.73		mg/Kg	☼	99	61 - 113	1	30
Benzo[k]fluoranthene	0.17		3.53	3.59		mg/Kg	☼	97	67 - 115	0	30
Bis(2-chloroethoxy)methane	0.35	U	3.53	2.98		mg/Kg	☼	84	62 - 107	7	30
Bis(2-chloroethyl)ether	0.035	U	3.53	2.95		mg/Kg	☼	84	60 - 107	5	30
Bis(2-ethylhexyl) phthalate	0.044	J	3.53	3.36		mg/Kg	☼	94	59 - 111	3	30
Butyl benzyl phthalate	0.35	U	3.53	3.53		mg/Kg	☼	100	62 - 113	3	30
Caprolactam	0.35	U	1.41	1.36		mg/Kg	☼	96	59 - 140	2	30
Carbazole	0.034	J	3.53	2.97		mg/Kg	☼	83	64 - 113	1	30
Chrysene	0.33	J	3.53	3.47		mg/Kg	☼	89	71 - 122	1	30
Dibenz(a,h)anthracene	0.069		3.53	3.75		mg/Kg	☼	104	66 - 119	1	30
Dibenzofuran	0.032	J	3.53	3.12		mg/Kg	☼	87	65 - 108	2	30
Diethyl phthalate	0.35	U	3.53	3.10		mg/Kg	☼	88	63 - 109	3	30
Dimethyl phthalate	0.35	U	3.53	3.20		mg/Kg	☼	91	65 - 109	2	30
Di-n-butyl phthalate	0.35	U	3.53	3.14		mg/Kg	☼	89	66 - 114	3	30
Di-n-octyl phthalate	0.35	U	3.53	3.28		mg/Kg	☼	93	65 - 122	1	30
Fluoranthene	0.47		3.53	3.23		mg/Kg	☼	78	61 - 106	1	30
Fluorene	0.027	J	3.53	3.08		mg/Kg	☼	87	65 - 109	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234659-5 MSD
Matrix: Solid
Analysis Batch: 779369

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA
Prep Batch: 779297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	0.035	U	3.53	3.52		mg/Kg	☼	100	61 - 113	3	30
Hexachlorobutadiene	0.071	U	3.53	3.41		mg/Kg	☼	97	62 - 109	5	30
Hexachlorocyclopentadiene	0.35	U	3.53	2.16		mg/Kg	☼	61	42 - 118	3	30
Hexachloroethane	0.035	U	3.53	3.01		mg/Kg	☼	85	61 - 102	6	30
Indeno[1,2,3-cd]pyrene	0.25		3.53	4.64	*	mg/Kg	☼	124	62 - 121	1	30
Isophorone	0.14	U	3.53	3.10		mg/Kg	☼	88	63 - 107	5	30
Naphthalene	0.054	J	3.53	3.14		mg/Kg	☼	87	63 - 106	5	30
Nitrobenzene	0.035	U	3.53	3.27		mg/Kg	☼	93	63 - 110	6	30
N-Nitrosodi-n-propylamine	0.035	U	3.53	2.89		mg/Kg	☼	82	61 - 108	6	30
N-Nitrosodiphenylamine	0.35	U	3.53	3.31		mg/Kg	☼	94	67 - 113	2	30
Pentachlorophenol	0.28	U	7.06	6.03		mg/Kg	☼	85	44 - 126	1	30
Phenanthrene	0.28	J	3.53	3.35		mg/Kg	☼	87	66 - 112	1	30
Phenol	0.35	U	3.53	3.08		mg/Kg	☼	87	63 - 110	3	30
Pyrene	0.56		3.53	3.89		mg/Kg	☼	94	61 - 111	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*78*		*10 - 105*
Nitrobenzene-d5 (Surr)	*89*		*11 - 104*
Phenol-d5 (Surr)	*76*		*15 - 100*
Terphenyl-d14 (Surr)	*105*		*12 - 126*

Lab Sample ID: MB 460-779450/1-A
Matrix: Solid
Analysis Batch: 779514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/21/21 11:13	05/21/21 18:14	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/21/21 11:13	05/21/21 18:14	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/21/21 11:13	05/21/21 18:14	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/21/21 11:13	05/21/21 18:14	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/21/21 11:13	05/21/21 18:14	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/21/21 11:13	05/21/21 18:14	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/21/21 11:13	05/21/21 18:14	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/21/21 11:13	05/21/21 18:14	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/21/21 11:13	05/21/21 18:14	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/21/21 11:13	05/21/21 18:14	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/21/21 11:13	05/21/21 18:14	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/21/21 11:13	05/21/21 18:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*05/21/21 11:13*	*05/21/21 18:14*	*1*
2-Fluorobiphenyl	*73*		*42 - 127*	*05/21/21 11:13*	*05/21/21 18:14*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*05/21/21 11:13*	*05/21/21 18:14*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*05/21/21 11:13*	*05/21/21 18:14*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*05/21/21 11:13*	*05/21/21 18:14*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 150*	*05/21/21 11:13*	*05/21/21 18:14*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 460-779450/2-A
Matrix: Solid
Analysis Batch: 779514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0452		mg/L		56	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0559		mg/L		70	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0542		mg/L		68	66 - 117
3 & 4 Methylphenol	0.0800	0.0445		mg/L		56	43 - 78
2,4-Dinitrotoluene	0.0800	0.0759		mg/L		95	68 - 134
Pyridine	0.160	0.0397		mg/L		25	13 - 71
2-Methylphenol	0.0800	0.0497		mg/L		62	48 - 88
Hexachlorobenzene	0.0800	0.0537		mg/L		67	61 - 117
Hexachlorobutadiene	0.0800	0.0339		mg/L		42	10 - 133
Hexachloroethane	0.0800	0.0395		mg/L		49	17 - 115
Nitrobenzene	0.0800	0.0747		mg/L		93	71 - 116
Pentachlorophenol	0.160	0.129		mg/L		80	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 150*
2-Fluorobiphenyl	*68*		*42 - 127*
2-Fluorophenol (Surr)	*37*		*18 - 72*
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*
Phenol-d5 (Surr)	*27*		*10 - 50*
Terphenyl-d14 (Surr)	*64*		*39 - 150*

Lab Sample ID: 460-234785-E-3-A MS
Matrix: Solid
Analysis Batch: 779514

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.010	U	0.0800	0.0459		mg/L		57	40 - 102
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0442	*	mg/L		55	63 - 112
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0429	*	mg/L		54	66 - 117
3 & 4 Methylphenol	0.010	U	0.0800	0.0416		mg/L		52	43 - 78
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0693		mg/L		87	68 - 134
Pyridine	0.010	U	0.160	0.0513		mg/L		32	13 - 71
2-Methylphenol	0.010	U	0.0800	0.0454		mg/L		57	48 - 88
Hexachlorobenzene	0.0010	U	0.0800	0.0483	*	mg/L		60	61 - 117
Hexachlorobutadiene	0.0020	U	0.0800	0.0415		mg/L		52	10 - 133
Hexachloroethane	0.0020	U	0.0800	0.0481		mg/L		60	17 - 115
Nitrobenzene	0.0010	U	0.0800	0.0714		mg/L		89	71 - 116
Pentachlorophenol	0.030	U	0.160	0.0939		mg/L		59	54 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*33 - 150*
2-Fluorobiphenyl	*64*		*42 - 127*
2-Fluorophenol (Surr)	*27*		*18 - 72*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*
Phenol-d5 (Surr)	*22*		*10 - 50*
Terphenyl-d14 (Surr)	*58*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234785-E-3-B MSD
Matrix: Solid
Analysis Batch: 779514

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.010	U	0.0800	0.0449		mg/L		56	40 - 102	2	30
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0540		mg/L		67	63 - 112	20	30
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0525		mg/L		66	66 - 117	20	30
3 & 4 Methylphenol	0.010	U	0.0800	0.0409		mg/L		51	43 - 78	2	30
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0721		mg/L		90	68 - 134	4	30
Pyridine	0.010	U	0.160	0.0348	*	mg/L		22	13 - 71	38	30
2-Methylphenol	0.010	U	0.0800	0.0453		mg/L		57	48 - 88	0	30
Hexachlorobenzene	0.0010	U	0.0800	0.0515		mg/L		64	61 - 117	6	30
Hexachlorobutadiene	0.0020	U	0.0800	0.0429		mg/L		54	10 - 133	3	30
Hexachloroethane	0.0020	U	0.0800	0.0469		mg/L		59	17 - 115	3	30
Nitrobenzene	0.0010	U	0.0800	0.0716		mg/L		90	71 - 116	0	30
Pentachlorophenol	0.030	U	0.160	0.122		mg/L		76	54 - 131	26	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*
2-Fluorobiphenyl	*67*		*42 - 127*
2-Fluorophenol (Surr)	*31*		*18 - 72*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*
Phenol-d5 (Surr)	*23*		*10 - 50*
Terphenyl-d14 (Surr)	*65*		*39 - 150*

Lab Sample ID: MB 460-779556/1-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/21/21 19:22	05/22/21 23:12	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-779556/1-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/21/21 19:22	05/22/21 23:12	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/21/21 19:22	05/22/21 23:12	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-779556/1-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779556

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg				05/21/21 19:22	05/22/21 23:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		10 - 123	05/21/21 19:22	05/22/21 23:12	1
2-Fluorobiphenyl	82		14 - 103	05/21/21 19:22	05/22/21 23:12	1
2-Fluorophenol (Surr)	86		10 - 105	05/21/21 19:22	05/22/21 23:12	1
Nitrobenzene-d5 (Surr)	82		11 - 104	05/21/21 19:22	05/22/21 23:12	1
Phenol-d5 (Surr)	87		15 - 100	05/21/21 19:22	05/22/21 23:12	1
Terphenyl-d14 (Surr)	97		12 - 126	05/21/21 19:22	05/22/21 23:12	1

Lab Sample ID: LCS 460-779556/2-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	3.07		mg/Kg		92	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.09		mg/Kg		93	64 - 110
1,4-Dioxane	3.33	2.61		mg/Kg		78	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.78		mg/Kg		83	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.92		mg/Kg		88	58 - 113
2,4,5-Trichlorophenol	3.33	3.14		mg/Kg		94	64 - 112
2,4,6-Trichlorophenol	3.33	3.10		mg/Kg		93	63 - 113
2,4-Dichlorophenol	3.33	3.14		mg/Kg		94	66 - 113
2,4-Dimethylphenol	3.33	3.07		mg/Kg		92	63 - 107
2,4-Dinitrophenol	6.67	4.71		mg/Kg		71	25 - 150
2,4-Dinitrotoluene	3.33	3.12		mg/Kg		94	65 - 124
2,6-Dinitrotoluene	3.33	3.13		mg/Kg		94	67 - 121
2-Chloronaphthalene	3.33	3.04		mg/Kg		91	65 - 109
2-Chlorophenol	3.33	3.03		mg/Kg		91	63 - 106
2-Methylnaphthalene	3.33	3.05		mg/Kg		91	64 - 108
2-Methylphenol	3.33	2.96		mg/Kg		89	63 - 108
2-Nitroaniline	3.33	2.81		mg/Kg		84	59 - 119
2-Nitrophenol	3.33	2.75		mg/Kg		82	64 - 112
3,3'-Dichlorobenzidine	3.33	2.44		mg/Kg		73	17 - 101
3-Nitroaniline	3.33	2.48		mg/Kg		74	31 - 102
4,6-Dinitro-2-methylphenol	6.67	4.98		mg/Kg		75	44 - 136
4-Bromophenyl phenyl ether	3.33	3.11		mg/Kg		93	67 - 113
4-Chloro-3-methylphenol	3.33	3.03		mg/Kg		91	66 - 114
4-Chloroaniline	3.33	2.38		mg/Kg		71	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.05		mg/Kg		91	66 - 110
4-Methylphenol	3.33	2.92		mg/Kg		88	61 - 108
4-Nitroaniline	3.33	2.96		mg/Kg		89	50 - 110
4-Nitrophenol	6.67	6.50		mg/Kg		97	47 - 123
Acenaphthene	3.33	3.03		mg/Kg		91	53 - 110
Acenaphthylene	3.33	2.94		mg/Kg		88	64 - 108
Acetophenone	3.33	2.90		mg/Kg		87	61 - 103
Anthracene	3.33	3.02		mg/Kg		91	67 - 114
Atrazine	1.33	1.54		mg/Kg		115	44 - 145

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-779556/2-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	1.33	1.44		mg/Kg		108	43 - 150
Benzo[a]anthracene	3.33	2.98		mg/Kg		90	67 - 115
Benzo[a]pyrene	3.33	3.46		mg/Kg		104	73 - 123
Benzo[b]fluoranthene	3.33	3.41		mg/Kg		102	70 - 125
Benzo[g,h,i]perylene	3.33	3.24		mg/Kg		97	61 - 113
Benzo[k]fluoranthene	3.33	3.42		mg/Kg		103	67 - 115
Bis(2-chloroethoxy)methane	3.33	3.00		mg/Kg		90	62 - 107
Bis(2-chloroethyl)ether	3.33	3.08		mg/Kg		93	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.95		mg/Kg		89	59 - 111
Butyl benzyl phthalate	3.33	2.93		mg/Kg		88	62 - 113
Caprolactam	1.33	1.27		mg/Kg		95	59 - 140
Carbazole	3.33	3.02		mg/Kg		91	64 - 113
Chrysene	3.33	3.04		mg/Kg		91	71 - 122
Dibenz(a,h)anthracene	3.33	3.52		mg/Kg		106	66 - 119
Dibenzofuran	3.33	2.99		mg/Kg		90	65 - 108
Diethyl phthalate	3.33	3.00		mg/Kg		90	63 - 109
Dimethyl phthalate	3.33	3.00		mg/Kg		90	65 - 109
Di-n-butyl phthalate	3.33	3.02		mg/Kg		91	66 - 114
Di-n-octyl phthalate	3.33	3.18		mg/Kg		95	65 - 122
Fluoranthene	3.33	3.10		mg/Kg		93	61 - 106
Fluorene	3.33	2.99		mg/Kg		90	65 - 109
Hexachlorobenzene	3.33	3.14		mg/Kg		94	61 - 113
Hexachlorobutadiene	3.33	3.19		mg/Kg		96	62 - 109
Hexachlorocyclopentadiene	3.33	2.86		mg/Kg		86	42 - 118
Hexachloroethane	3.33	2.84		mg/Kg		85	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.63		mg/Kg		109	62 - 121
Isophorone	3.33	3.05		mg/Kg		92	63 - 107
Naphthalene	3.33	3.01		mg/Kg		90	63 - 106
Nitrobenzene	3.33	3.09		mg/Kg		93	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.94		mg/Kg		88	61 - 108
N-Nitrosodiphenylamine	3.33	2.94		mg/Kg		88	67 - 113
Pentachlorophenol	6.67	6.41		mg/Kg		96	44 - 126
Phenanthrene	3.33	3.02		mg/Kg		91	66 - 112
Phenol	3.33	2.89		mg/Kg		87	63 - 110
Pyrene	3.33	2.93		mg/Kg		88	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 123*
2-Fluorobiphenyl	*87*		*14 - 103*
2-Fluorophenol (Surr)	*89*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*87*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-779556/3-A
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.93		mg/Kg		88	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene			3.33	2.99		mg/Kg		90	64 - 110	3	30
1,4-Dioxane			3.33	2.69		mg/Kg		81	31 - 81	3	30
2,2'-oxybis[1-chloropropane]			3.33	2.78		mg/Kg		83	49 - 109	0	30
2,3,4,6-Tetrachlorophenol			3.33	2.81		mg/Kg		84	58 - 113	4	30
2,4,5-Trichlorophenol			3.33	2.82		mg/Kg		84	64 - 112	11	30
2,4,6-Trichlorophenol			3.33	3.00		mg/Kg		90	63 - 113	3	30
2,4-Dichlorophenol			3.33	2.99		mg/Kg		90	66 - 113	5	30
2,4-Dimethylphenol			3.33	2.90		mg/Kg		87	63 - 107	6	30
2,4-Dinitrophenol			6.67	4.61		mg/Kg		69	25 - 150	2	30
2,4-Dinitrotoluene			3.33	2.99		mg/Kg		90	65 - 124	4	30
2,6-Dinitrotoluene			3.33	2.99		mg/Kg		90	67 - 121	5	30
2-Chloronaphthalene			3.33	2.91		mg/Kg		87	65 - 109	4	30
2-Chlorophenol			3.33	2.99		mg/Kg		90	63 - 106	1	30
2-Methylnaphthalene			3.33	2.94		mg/Kg		88	64 - 108	4	30
2-Methylphenol			3.33	2.96		mg/Kg		89	63 - 108	0	30
2-Nitroaniline			3.33	2.75		mg/Kg		82	59 - 119	2	30
2-Nitrophenol			3.33	2.66		mg/Kg		80	64 - 112	3	30
3,3'-Dichlorobenzidine			3.33	2.95		mg/Kg		89	17 - 101	19	30
3-Nitroaniline			3.33	2.81		mg/Kg		84	31 - 102	13	30
4,6-Dinitro-2-methylphenol			6.67	5.02		mg/Kg		75	44 - 136	1	30
4-Bromophenyl phenyl ether			3.33	3.04		mg/Kg		91	67 - 113	2	30
4-Chloro-3-methylphenol			3.33	2.94		mg/Kg		88	66 - 114	3	30
4-Chloroaniline			3.33	2.77		mg/Kg		83	20 - 98	15	30
4-Chlorophenyl phenyl ether			3.33	2.86		mg/Kg		86	66 - 110	6	30
4-Methylphenol			3.33	2.93		mg/Kg		88	61 - 108	0	30
4-Nitroaniline			3.33	2.85		mg/Kg		85	50 - 110	4	30
4-Nitrophenol			6.67	6.12		mg/Kg		92	47 - 123	6	30
Acenaphthene			3.33	2.85		mg/Kg		85	53 - 110	6	30
Acenaphthylene			3.33	2.81		mg/Kg		84	64 - 108	4	30
Acetophenone			3.33	2.90		mg/Kg		87	61 - 103	0	30
Anthracene			3.33	2.96		mg/Kg		89	67 - 114	2	30
Atrazine			1.33	1.45		mg/Kg		108	44 - 145	6	30
Benzaldehyde			1.33	1.38		mg/Kg		103	43 - 150	5	30
Benzo[a]anthracene			3.33	2.87		mg/Kg		86	67 - 115	4	30
Benzo[a]pyrene			3.33	3.40		mg/Kg		102	73 - 123	2	30
Benzo[b]fluoranthene			3.33	3.39		mg/Kg		102	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	3.20		mg/Kg		96	61 - 113	1	30
Benzo[k]fluoranthene			3.33	3.29		mg/Kg		99	67 - 115	4	30
Bis(2-chloroethoxy)methane			3.33	2.90		mg/Kg		87	62 - 107	3	30
Bis(2-chloroethyl)ether			3.33	3.04		mg/Kg		91	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	2.87		mg/Kg		86	59 - 111	3	30
Butyl benzyl phthalate			3.33	2.87		mg/Kg		86	62 - 113	2	30
Caprolactam			1.33	1.08		mg/Kg		81	59 - 140	16	30
Carbazole			3.33	2.91		mg/Kg		87	64 - 113	4	30
Chrysene			3.33	2.99		mg/Kg		90	71 - 122	2	30
Dibenz(a,h)anthracene			3.33	3.53		mg/Kg		106	66 - 119	0	30
Dibenzofuran			3.33	2.87		mg/Kg		86	65 - 108	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-779556/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779695
Prep Batch: 779556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	2.93		mg/Kg		88	63 - 109	3	30
Dimethyl phthalate			3.33	2.85		mg/Kg		85	65 - 109	5	30
Di-n-butyl phthalate			3.33	2.98		mg/Kg		90	66 - 114	1	30
Di-n-octyl phthalate			3.33	3.09		mg/Kg		93	65 - 122	3	30
Fluoranthene			3.33	2.99		mg/Kg		90	61 - 106	4	30
Fluorene			3.33	2.85		mg/Kg		85	65 - 109	5	30
Hexachlorobenzene			3.33	3.01		mg/Kg		90	61 - 113	4	30
Hexachlorobutadiene			3.33	3.12		mg/Kg		94	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.73		mg/Kg		82	42 - 118	5	30
Hexachloroethane			3.33	2.93		mg/Kg		88	61 - 102	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.56		mg/Kg		107	62 - 121	2	30
Isophorone			3.33	2.98		mg/Kg		89	63 - 107	3	30
Naphthalene			3.33	2.93		mg/Kg		88	63 - 106	2	30
Nitrobenzene			3.33	3.09		mg/Kg		93	63 - 110	0	30
N-Nitrosodi-n-propylamine			3.33	2.97		mg/Kg		89	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	2.91		mg/Kg		87	67 - 113	1	30
Pentachlorophenol			6.67	6.19		mg/Kg		93	44 - 126	3	30
Phenanthrene			3.33	2.95		mg/Kg		89	66 - 112	2	30
Phenol			3.33	2.90		mg/Kg		87	63 - 110	0	30
Pyrene			3.33	2.88		mg/Kg		87	61 - 111	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*88*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*86*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: 460-234819-D-1-F MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 779695
Prep Batch: 779556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.33	U	3.33	2.83		mg/Kg		85	65 - 110
1,2,4,5-Tetrachlorobenzene	0.33	U	3.33	2.84		mg/Kg		85	64 - 110
1,4-Dioxane	0.033	U	3.33	2.29		mg/Kg		69	31 - 81
2,2'-oxybis[1-chloropropane]	0.33	U	3.33	2.60		mg/Kg		78	49 - 109
2,3,4,6-Tetrachlorophenol	0.33	U	3.33	2.80		mg/Kg		84	58 - 113
2,4,5-Trichlorophenol	0.33	U	3.33	2.83		mg/Kg		85	64 - 112
2,4,6-Trichlorophenol	0.13	U	3.33	2.99		mg/Kg		90	63 - 113
2,4-Dichlorophenol	0.13	U	3.33	2.88		mg/Kg		86	66 - 113
2,4-Dimethylphenol	0.33	U	3.33	2.79		mg/Kg		84	63 - 107
2,4-Dinitrophenol	0.27	U	6.67	4.38		mg/Kg		66	25 - 150
2,4-Dinitrotoluene	0.067	U	3.33	2.91		mg/Kg		87	65 - 124
2,6-Dinitrotoluene	0.067	U	3.33	2.89		mg/Kg		87	67 - 121
2-Chloronaphthalene	0.33	U	3.33	2.82		mg/Kg		85	65 - 109
2-Chlorophenol	0.33	U	3.33	2.87		mg/Kg		86	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234819-D-1-F MS
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.33	U	3.33	2.74		mg/Kg		82	64 - 108
2-Methylphenol	0.33	U	3.33	2.86		mg/Kg		86	63 - 108
2-Nitroaniline	0.33	U	3.33	2.65		mg/Kg		79	59 - 119
2-Nitrophenol	0.33	U	3.33	2.44		mg/Kg		73	64 - 112
3,3'-Dichlorobenzidine	0.13	U	3.33	2.52		mg/Kg		75	17 - 101
3-Nitroaniline	0.33	U	3.33	2.46		mg/Kg		74	31 - 102
4,6-Dinitro-2-methylphenol	0.27	U	6.67	4.79		mg/Kg		72	44 - 136
4-Bromophenyl phenyl ether	0.33	U	3.33	2.95		mg/Kg		88	67 - 113
4-Chloro-3-methylphenol	0.33	U	3.33	2.86		mg/Kg		86	66 - 114
4-Chloroaniline	0.33	U	3.33	2.28		mg/Kg		68	20 - 98
4-Chlorophenyl phenyl ether	0.33	U	3.33	2.85		mg/Kg		86	66 - 110
4-Methylphenol	0.33	U	3.33	2.83		mg/Kg		85	61 - 108
4-Nitroaniline	0.33	U	3.33	2.72		mg/Kg		81	50 - 110
4-Nitrophenol	0.67	U	6.67	5.89		mg/Kg		88	47 - 123
Acenaphthene	0.33	U	3.33	2.79		mg/Kg		84	53 - 110
Acenaphthylene	0.027	J	3.33	2.75		mg/Kg		82	64 - 108
Acetophenone	0.33	U	3.33	2.75		mg/Kg		82	61 - 103
Anthracene	0.33	U	3.33	2.86		mg/Kg		86	67 - 114
Atrazine	0.13	U	1.33	1.40		mg/Kg		105	44 - 145
Benzaldehyde	0.33	U	1.33	1.26		mg/Kg		94	43 - 150
Benzo[a]anthracene	0.083		3.33	2.87		mg/Kg		84	67 - 115
Benzo[a]pyrene	0.092		3.33	3.36		mg/Kg		98	73 - 123
Benzo[b]fluoranthene	0.14		3.33	3.32		mg/Kg		96	70 - 125
Benzo[g,h,i]perylene	0.064	J	3.33	3.20		mg/Kg		94	61 - 113
Benzo[k]fluoranthene	0.061		3.33	3.15		mg/Kg		93	67 - 115
Bis(2-chloroethoxy)methane	0.33	U	3.33	2.73		mg/Kg		82	62 - 107
Bis(2-chloroethyl)ether	0.033	U	3.33	2.92		mg/Kg		88	60 - 107
Bis(2-ethylhexyl) phthalate	0.33	U	3.33	2.80		mg/Kg		84	59 - 111
Butyl benzyl phthalate	0.33	U	3.33	2.78		mg/Kg		83	62 - 113
Caprolactam	0.33	U	1.33	1.14		mg/Kg		85	59 - 140
Carbazole	0.33	U	3.33	2.80		mg/Kg		84	64 - 113
Chrysene	0.087	J	3.33	2.85		mg/Kg		83	71 - 122
Dibenz(a,h)anthracene	0.033	U	3.33	3.46		mg/Kg		104	66 - 119
Dibenzofuran	0.33	U	3.33	2.75		mg/Kg		83	65 - 108
Diethyl phthalate	0.33	U	3.33	2.80		mg/Kg		84	63 - 109
Dimethyl phthalate	0.33	U	3.33	2.79		mg/Kg		84	65 - 109
Di-n-butyl phthalate	0.33	U	3.33	2.84		mg/Kg		85	66 - 114
Di-n-octyl phthalate	0.33	U	3.33	2.98		mg/Kg		89	65 - 122
Fluoranthene	0.11	J	3.33	2.98		mg/Kg		86	61 - 106
Fluorene	0.33	U	3.33	2.79		mg/Kg		84	65 - 109
Hexachlorobenzene	0.033	U	3.33	2.94		mg/Kg		88	61 - 113
Hexachlorobutadiene	0.067	U	3.33	2.86		mg/Kg		86	62 - 109
Hexachlorocyclopentadiene	0.33	U	3.33	2.48		mg/Kg		74	42 - 118
Hexachloroethane	0.033	U	3.33	2.63		mg/Kg		79	61 - 102
Indeno[1,2,3-cd]pyrene	0.081		3.33	3.56		mg/Kg		105	62 - 121
Isophorone	0.13	U	3.33	2.77		mg/Kg		83	63 - 107
Naphthalene	0.33	U	3.33	2.74		mg/Kg		82	63 - 106
Nitrobenzene	0.033	U	3.33	2.92		mg/Kg		88	63 - 110
N-Nitrosodi-n-propylamine	0.033	U	3.33	2.77		mg/Kg		83	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234819-D-1-F MS
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.33	U	3.33	2.76		mg/Kg		83	67 - 113
Pentachlorophenol	0.27	U	6.67	6.02		mg/Kg		90	44 - 126
Phenanthrene	0.031	J	3.33	2.88		mg/Kg		85	66 - 112
Phenol	0.33	U	3.33	2.77		mg/Kg		83	63 - 110
Pyrene	0.11	J	3.33	2.87		mg/Kg		83	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*85*		*10 - 105*
Nitrobenzene-d5 (Surr)	*78*		*11 - 104*
Phenol-d5 (Surr)	*86*		*15 - 100*
Terphenyl-d14 (Surr)	*94*		*12 - 126*

Lab Sample ID: 460-234819-D-1-G MSD
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.33	U	3.33	2.76		mg/Kg		83	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene	0.33	U	3.33	2.85		mg/Kg		85	64 - 110	0	30
1,4-Dioxane	0.033	U	3.33	2.19		mg/Kg		66	31 - 81	4	30
2,2'-oxybis[1-chloropropane]	0.33	U	3.33	2.54		mg/Kg		76	49 - 109	2	30
2,3,4,6-Tetrachlorophenol	0.33	U	3.33	2.73		mg/Kg		82	58 - 113	2	30
2,4,5-Trichlorophenol	0.33	U	3.33	2.85		mg/Kg		85	64 - 112	1	30
2,4,6-Trichlorophenol	0.13	U	3.33	2.84		mg/Kg		85	63 - 113	5	30
2,4-Dichlorophenol	0.13	U	3.33	2.88		mg/Kg		86	66 - 113	0	30
2,4-Dimethylphenol	0.33	U	3.33	2.84		mg/Kg		85	63 - 107	2	30
2,4-Dinitrophenol	0.27	U	6.67	4.46		mg/Kg		67	25 - 150	2	30
2,4-Dinitrotoluene	0.067	U	3.33	2.83		mg/Kg		85	65 - 124	3	30
2,6-Dinitrotoluene	0.067	U	3.33	2.81		mg/Kg		84	67 - 121	3	30
2-Chloronaphthalene	0.33	U	3.33	2.74		mg/Kg		82	65 - 109	3	30
2-Chlorophenol	0.33	U	3.33	2.84		mg/Kg		85	63 - 106	1	30
2-Methylnaphthalene	0.33	U	3.33	2.80		mg/Kg		84	64 - 108	2	30
2-Methylphenol	0.33	U	3.33	2.83		mg/Kg		85	63 - 108	1	30
2-Nitroaniline	0.33	U	3.33	2.59		mg/Kg		78	59 - 119	2	30
2-Nitrophenol	0.33	U	3.33	2.52		mg/Kg		76	64 - 112	3	30
3,3'-Dichlorobenzidine	0.13	U	3.33	2.47		mg/Kg		74	17 - 101	2	30
3-Nitroaniline	0.33	U	3.33	2.39		mg/Kg		72	31 - 102	3	30
4,6-Dinitro-2-methylphenol	0.27	U	6.67	4.75		mg/Kg		71	44 - 136	1	30
4-Bromophenyl phenyl ether	0.33	U	3.33	2.84		mg/Kg		85	67 - 113	4	30
4-Chloro-3-methylphenol	0.33	U	3.33	2.89		mg/Kg		87	66 - 114	1	30
4-Chloroaniline	0.33	U	3.33	2.20		mg/Kg		66	20 - 98	4	30
4-Chlorophenyl phenyl ether	0.33	U	3.33	2.76		mg/Kg		83	66 - 110	3	30
4-Methylphenol	0.33	U	3.33	2.78		mg/Kg		83	61 - 108	2	30
4-Nitroaniline	0.33	U	3.33	2.60		mg/Kg		78	50 - 110	4	30
4-Nitrophenol	0.67	U	6.67	5.77		mg/Kg		86	47 - 123	2	30
Acenaphthene	0.33	U	3.33	2.74		mg/Kg		82	53 - 110	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234819-D-1-G MSD
Matrix: Solid
Analysis Batch: 779695

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.027	J	3.33	2.71		mg/Kg		80	64 - 108	1	30
Acetophenone	0.33	U	3.33	2.73		mg/Kg		82	61 - 103	1	30
Anthracene	0.33	U	3.33	2.79		mg/Kg		84	67 - 114	2	30
Atrazine	0.13	U	1.33	1.30		mg/Kg		98	44 - 145	7	30
Benzaldehyde	0.33	U	1.33	1.19		mg/Kg		90	43 - 150	5	30
Benzo[a]anthracene	0.083		3.33	2.74		mg/Kg		80	67 - 115	5	30
Benzo[a]pyrene	0.092		3.33	3.24		mg/Kg		95	73 - 123	3	30
Benzo[b]fluoranthene	0.14		3.33	3.28		mg/Kg		94	70 - 125	1	30
Benzo[g,h,i]perylene	0.064	J	3.33	3.12		mg/Kg		92	61 - 113	2	30
Benzo[k]fluoranthene	0.061		3.33	3.07		mg/Kg		90	67 - 115	3	30
Bis(2-chloroethoxy)methane	0.33	U	3.33	2.70		mg/Kg		81	62 - 107	1	30
Bis(2-chloroethyl)ether	0.033	U	3.33	2.84		mg/Kg		85	60 - 107	3	30
Bis(2-ethylhexyl) phthalate	0.33	U	3.33	2.79		mg/Kg		84	59 - 111	0	30
Butyl benzyl phthalate	0.33	U	3.33	2.75		mg/Kg		83	62 - 113	1	30
Caprolactam	0.33	U	1.33	1.17		mg/Kg		88	59 - 140	3	30
Carbazole	0.33	U	3.33	2.74		mg/Kg		82	64 - 113	2	30
Chrysene	0.087	J	3.33	2.85		mg/Kg		83	71 - 122	0	30
Dibenz(a,h)anthracene	0.033	U	3.33	3.38		mg/Kg		102	66 - 119	2	30
Dibenzofuran	0.33	U	3.33	2.72		mg/Kg		81	65 - 108	1	30
Diethyl phthalate	0.33	U	3.33	2.71		mg/Kg		81	63 - 109	3	30
Dimethyl phthalate	0.33	U	3.33	2.74		mg/Kg		82	65 - 109	2	30
Di-n-butyl phthalate	0.33	U	3.33	2.80		mg/Kg		84	66 - 114	1	30
Di-n-octyl phthalate	0.33	U	3.33	2.90		mg/Kg		87	65 - 122	3	30
Fluoranthene	0.11	J	3.33	2.89		mg/Kg		84	61 - 106	3	30
Fluorene	0.33	U	3.33	2.74		mg/Kg		82	65 - 109	2	30
Hexachlorobenzene	0.033	U	3.33	2.89		mg/Kg		87	61 - 113	2	30
Hexachlorobutadiene	0.067	U	3.33	2.92		mg/Kg		88	62 - 109	2	30
Hexachlorocyclopentadiene	0.33	U	3.33	2.37		mg/Kg		71	42 - 118	4	30
Hexachloroethane	0.033	U	3.33	2.66		mg/Kg		80	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	0.081		3.33	3.47		mg/Kg		102	62 - 121	3	30
Isophorone	0.13	U	3.33	2.79		mg/Kg		84	63 - 107	1	30
Naphthalene	0.33	U	3.33	2.75		mg/Kg		82	63 - 106	0	30
Nitrobenzene	0.033	U	3.33	2.86		mg/Kg		86	63 - 110	2	30
N-Nitrosodi-n-propylamine	0.033	U	3.33	2.76		mg/Kg		83	61 - 108	0	30
N-Nitrosodiphenylamine	0.33	U	3.33	2.74		mg/Kg		82	67 - 113	1	30
Pentachlorophenol	0.27	U	6.67	5.99		mg/Kg		90	44 - 126	1	30
Phenanthrene	0.031	J	3.33	2.78		mg/Kg		82	66 - 112	4	30
Phenol	0.33	U	3.33	2.73		mg/Kg		82	63 - 110	1	30
Pyrene	0.11	J	3.33	2.81		mg/Kg		81	61 - 111	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*83*		*10 - 105*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*
Phenol-d5 (Surr)	*82*		*15 - 100*
Terphenyl-d14 (Surr)	*91*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-779723/1-A
Matrix: Solid
Analysis Batch: 779773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/23/21 07:25	05/23/21 16:34	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/23/21 07:25	05/23/21 16:34	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/23/21 07:25	05/23/21 16:34	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/23/21 07:25	05/23/21 16:34	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/21 07:25	05/23/21 16:34	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/21 07:25	05/23/21 16:34	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/23/21 07:25	05/23/21 16:34	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/21 07:25	05/23/21 16:34	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/23/21 07:25	05/23/21 16:34	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/23/21 07:25	05/23/21 16:34	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/23/21 07:25	05/23/21 16:34	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/21 07:25	05/23/21 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*	*05/23/21 07:25*	*05/23/21 16:34*	*1*
2-Fluorobiphenyl	*98*		*42 - 127*	*05/23/21 07:25*	*05/23/21 16:34*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*05/23/21 07:25*	*05/23/21 16:34*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 137*	*05/23/21 07:25*	*05/23/21 16:34*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*05/23/21 07:25*	*05/23/21 16:34*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*05/23/21 07:25*	*05/23/21 16:34*	*1*

Lab Sample ID: LCS 460-779723/2-A
Matrix: Solid
Analysis Batch: 779773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0739		mg/L		92	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0811		mg/L		101	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0886		mg/L		111	66 - 117
3 & 4 Methylphenol	0.0800	0.0537		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0831		mg/L		104	68 - 134
Pyridine	0.160	0.0640		mg/L		40	13 - 71
2-Methylphenol	0.0800	0.0583		mg/L		73	48 - 88
Hexachlorobenzene	0.0800	0.0857		mg/L		107	61 - 117
Hexachlorobutadiene	0.0800	0.0936		mg/L		117	10 - 133
Hexachloroethane	0.0800	0.0704		mg/L		88	17 - 115
Nitrobenzene	0.0800	0.0820		mg/L		103	71 - 116
Pentachlorophenol	0.160	0.183		mg/L		114	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*33 - 150*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol (Surr)	*54*		*18 - 72*
Nitrobenzene-d5 (Surr)	*102*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*113*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-779723/3-A
Matrix: Solid
Analysis Batch: 779773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779723

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0742		mg/L		93	40 - 102	0	30
2,4,5-Trichlorophenol			0.0800	0.0824		mg/L		103	63 - 112	2	30
2,4,6-Trichlorophenol			0.0800	0.0858		mg/L		107	66 - 117	3	30
3 & 4 Methylphenol			0.0800	0.0544		mg/L		68	43 - 78	1	30
2,4-Dinitrotoluene			0.0800	0.0813		mg/L		102	68 - 134	2	30
Pyridine			0.160	0.0650		mg/L		41	13 - 71	2	30
2-Methylphenol			0.0800	0.0599		mg/L		75	48 - 88	3	30
Hexachlorobenzene			0.0800	0.0868		mg/L		108	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0941		mg/L		118	10 - 133	0	30
Hexachloroethane			0.0800	0.0714		mg/L		89	17 - 115	1	30
Nitrobenzene			0.0800	0.0828		mg/L		104	71 - 116	1	30
Pentachlorophenol			0.160	0.185		mg/L		115	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*106*		*33 - 150*
2-Fluorobiphenyl	*101*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*102*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*111*		*39 - 150*

Lab Sample ID: MB 460-780407/1-A
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/26/21 19:33	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/26/21 19:33	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/26/21 19:33	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/26/21 19:33	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/26/21 19:33	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/26/21 19:33	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/26/21 19:33	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/26/21 19:33	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/26/21 19:33	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/26/21 19:33	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/26/21 19:33	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/26/21 19:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*33 - 150*	*05/26/21 10:01*	*05/26/21 19:33*	*1*
2-Fluorobiphenyl	*79*		*42 - 127*	*05/26/21 10:01*	*05/26/21 19:33*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*05/26/21 10:01*	*05/26/21 19:33*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*05/26/21 10:01*	*05/26/21 19:33*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/26/21 10:01*	*05/26/21 19:33*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 150*	*05/26/21 10:01*	*05/26/21 19:33*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-780407/2-A
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0695		mg/L		87	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0692		mg/L		87	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0707		mg/L		88	66 - 117
3 & 4 Methylphenol	0.0800	0.0548		mg/L		68	43 - 78
2,4-Dinitrotoluene	0.0800	0.0809		mg/L		101	68 - 134
Pyridine	0.160	0.0647		mg/L		40	13 - 71
2-Methylphenol	0.0800	0.0616		mg/L		77	48 - 88
Hexachlorobenzene	0.0800	0.0583		mg/L		73	61 - 117
Hexachlorobutadiene	0.0800	0.0613		mg/L		77	10 - 133
Hexachloroethane	0.0800	0.0748		mg/L		94	17 - 115
Nitrobenzene	0.0800	0.0833		mg/L		104	71 - 116
Pentachlorophenol	0.160	0.127		mg/L		80	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*33 - 150*
2-Fluorobiphenyl	*98*		*42 - 127*
2-Fluorophenol (Surr)	*63*		*18 - 72*
Nitrobenzene-d5 (Surr)	*112*		*46 - 137*
Phenol-d5 (Surr)	*44*		*10 - 50*
Terphenyl-d14 (Surr)	*98*		*39 - 150*

Lab Sample ID: LCSD 460-780407/3-A
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780407

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0696		mg/L		87	40 - 102	0	30
2,4,5-Trichlorophenol	0.0800	0.0713		mg/L		89	63 - 112	3	30
2,4,6-Trichlorophenol	0.0800	0.0711		mg/L		89	66 - 117	1	30
3 & 4 Methylphenol	0.0800	0.0546		mg/L		68	43 - 78	0	30
2,4-Dinitrotoluene	0.0800	0.0799		mg/L		100	68 - 134	1	30
Pyridine	0.160	0.0636		mg/L		40	13 - 71	2	30
2-Methylphenol	0.0800	0.0611		mg/L		76	48 - 88	1	30
Hexachlorobenzene	0.0800	0.0601		mg/L		75	61 - 117	3	30
Hexachlorobutadiene	0.0800	0.0617		mg/L		77	10 - 133	1	30
Hexachloroethane	0.0800	0.0761		mg/L		95	17 - 115	2	30
Nitrobenzene	0.0800	0.0836		mg/L		105	71 - 116	0	30
Pentachlorophenol	0.160	0.128		mg/L		80	54 - 131	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 150*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol (Surr)	*63*		*18 - 72*
Nitrobenzene-d5 (Surr)	*113*		*46 - 137*
Phenol-d5 (Surr)	*44*		*10 - 50*
Terphenyl-d14 (Surr)	*100*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-779308/1-B
Matrix: Solid
Analysis Batch: 779408

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779235

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/21/21 08:51	05/21/21 11:32	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/21/21 08:51	05/21/21 11:32	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/21/21 08:51	05/21/21 11:32	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/21/21 08:51	05/21/21 11:32	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/21/21 08:51	05/21/21 11:32	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/21/21 08:51	05/21/21 11:32	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/21/21 08:51	05/21/21 11:32	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/21/21 08:51	05/21/21 11:32	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/21/21 08:51	05/21/21 11:32	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/21/21 08:51	05/21/21 11:32	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/21/21 08:51	05/21/21 11:32	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/21/21 08:51	05/21/21 11:32	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*	*05/21/21 08:51*	*05/21/21 11:32*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*05/21/21 08:51*	*05/21/21 11:32*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/21/21 08:51*	*05/21/21 11:32*	*1*
Nitrobenzene-d5 (Surr)	*108*		*46 - 137*	*05/21/21 08:51*	*05/21/21 11:32*	*1*
Phenol-d5 (Surr)	*35*		*10 - 50*	*05/21/21 08:51*	*05/21/21 11:32*	*1*
Terphenyl-d14 (Surr)	*101*		*39 - 150*	*05/21/21 08:51*	*05/21/21 11:32*	*1*

Lab Sample ID: LB 460-779672/1-B
Matrix: Solid
Analysis Batch: 779773

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779723

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/23/21 07:25	05/23/21 20:52	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/23/21 07:25	05/23/21 20:52	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/23/21 07:25	05/23/21 20:52	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/23/21 07:25	05/23/21 20:52	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/21 07:25	05/23/21 20:52	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/21 07:25	05/23/21 20:52	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/23/21 07:25	05/23/21 20:52	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/21 07:25	05/23/21 20:52	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/23/21 07:25	05/23/21 20:52	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/23/21 07:25	05/23/21 20:52	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/23/21 07:25	05/23/21 20:52	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/21 07:25	05/23/21 20:52	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 150*	*05/23/21 07:25*	*05/23/21 20:52*	*1*
2-Fluorobiphenyl	*93*		*42 - 127*	*05/23/21 07:25*	*05/23/21 20:52*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*05/23/21 07:25*	*05/23/21 20:52*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*05/23/21 07:25*	*05/23/21 20:52*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*05/23/21 07:25*	*05/23/21 20:52*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 150*	*05/23/21 07:25*	*05/23/21 20:52*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-780242/1-B
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780407

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/26/21 10:01	05/26/21 20:37	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/26/21 10:01	05/26/21 20:37	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/26/21 10:01	05/26/21 20:37	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/26/21 10:01	05/26/21 20:37	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/26/21 10:01	05/26/21 20:37	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/26/21 10:01	05/26/21 20:37	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/26/21 10:01	05/26/21 20:37	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/26/21 10:01	05/26/21 20:37	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/26/21 10:01	05/26/21 20:37	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/26/21 10:01	05/26/21 20:37	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/26/21 10:01	05/26/21 20:37	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/26/21 10:01	05/26/21 20:37	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 150*	*05/26/21 10:01*	*05/26/21 20:37*	*1*
2-Fluorobiphenyl	*89*		*42 - 127*	*05/26/21 10:01*	*05/26/21 20:37*	*1*
2-Fluorophenol (Surr)	*76*	*	*18 - 72*	*05/26/21 10:01*	*05/26/21 20:37*	*1*
Nitrobenzene-d5 (Surr)	*112*		*46 - 137*	*05/26/21 10:01*	*05/26/21 20:37*	*1*
Phenol-d5 (Surr)	*62*	*	*10 - 50*	*05/26/21 10:01*	*05/26/21 20:37*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 150*	*05/26/21 10:01*	*05/26/21 20:37*	*1*

Lab Sample ID: 160-42160-B-1-F MSD
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 780407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.010	U	0.0800	0.0538		mg/L		67	40 - 102	6	30
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0853		mg/L		107	63 - 112	3	30
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0873		mg/L		109	66 - 117	5	30
3 & 4 Methylphenol	0.010	U	0.0800	0.0640	*	mg/L		80	43 - 78	7	30
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0975		mg/L		122	68 - 134	2	30
Pyridine	0.010	U	0.160	0.0953		mg/L		60	13 - 71	9	30
2-Methylphenol	0.010	U	0.0800	0.0723	*	mg/L		90	48 - 88	5	30
Hexachlorobenzene	0.0010	U	0.0800	0.0784		mg/L		98	61 - 117	5	30
Hexachlorobutadiene	0.0020	U	0.0800	0.0493		mg/L		62	10 - 133	6	30
Hexachloroethane	0.0020	U	0.0800	0.0559		mg/L		70	17 - 115	8	30
Nitrobenzene	0.0010	U	0.0800	0.0973	*	mg/L		122	71 - 116	4	30
Pentachlorophenol	0.030	U	0.160	0.164		mg/L		103	54 - 131	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*33 - 150*
2-Fluorobiphenyl	*89*		*42 - 127*
2-Fluorophenol (Surr)	*55*		*18 - 72*
Nitrobenzene-d5 (Surr)	*106*		*46 - 137*
Phenol-d5 (Surr)	*39*		*10 - 50*
Terphenyl-d14 (Surr)	*76*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 160-42160-C-1-C MS
Matrix: Solid
Analysis Batch: 780504

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.010	U	0.0800	0.0507		mg/L		63	40 - 102
2,4,5-Trichlorophenol	0.010	U	0.0800	0.0824		mg/L		103	63 - 112
2,4,6-Trichlorophenol	0.010	U	0.0800	0.0826		mg/L		103	66 - 117
3 & 4 Methylphenol	0.010	U	0.0800	0.0594		mg/L		74	43 - 78
2,4-Dinitrotoluene	0.0020	U	0.0800	0.0951		mg/L		119	68 - 134
Pyridine	0.010	U	0.160	0.0870		mg/L		54	13 - 71
2-Methylphenol	0.010	U	0.0800	0.0685		mg/L		86	48 - 88
Hexachlorobenzene	0.0010	U	0.0800	0.0748		mg/L		93	61 - 117
Hexachlorobutadiene	0.0020	U	0.0800	0.0463		mg/L		58	10 - 133
Hexachloroethane	0.0020	U	0.0800	0.0516		mg/L		64	17 - 115
Nitrobenzene	0.0010	U	0.0800	0.0930		mg/L		116	71 - 116
Pentachlorophenol	0.030	U	0.160	0.160		mg/L		100	54 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*33 - 150*
2-Fluorobiphenyl	*92*		*42 - 127*
2-Fluorophenol (Surr)	*55*		*18 - 72*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*
Phenol-d5 (Surr)	*39*		*10 - 50*
Terphenyl-d14 (Surr)	*76*		*39 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-779158/1-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-779158/1-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/20/21 09:19	05/20/21 21:40	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/20/21 09:19	05/20/21 21:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*10 - 150*	*05/20/21 09:19*	*05/20/21 21:40*	*1*
DCB Decachlorobiphenyl	*110*		*10 - 150*	*05/20/21 09:19*	*05/20/21 21:40*	*1*
Tetrachloro-m-xylene	*103*		*10 - 133*	*05/20/21 09:19*	*05/20/21 21:40*	*1*
Tetrachloro-m-xylene	*97*		*10 - 133*	*05/20/21 09:19*	*05/20/21 21:40*	*1*

Lab Sample ID: LCS 460-779158/2-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.166		mg/Kg		125	70 - 140
4,4'-DDD	0.133	0.155		mg/Kg		117	70 - 140
4,4'-DDE	0.133	0.169		mg/Kg		126	71 - 137
4,4'-DDE	0.133	0.157		mg/Kg		118	71 - 137
4,4'-DDT	0.133	0.126		mg/Kg		95	63 - 131
4,4'-DDT	0.133	0.146		mg/Kg		109	63 - 131
Aldrin	0.133	0.169		mg/Kg		127	74 - 140
Aldrin	0.133	0.153		mg/Kg		114	74 - 140
alpha-BHC	0.133	0.169		mg/Kg		126	72 - 142
alpha-BHC	0.133	0.158		mg/Kg		118	72 - 142
beta-BHC	0.133	0.165		mg/Kg		124	65 - 137
beta-BHC	0.133	0.162		mg/Kg		121	65 - 137
delta-BHC	0.133	0.170		mg/Kg		128	70 - 143
delta-BHC	0.133	0.159		mg/Kg		119	70 - 143
Dieldrin	0.133	0.166		mg/Kg		125	70 - 135
Dieldrin	0.133	0.157		mg/Kg		118	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-779158/2-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779158

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan I			0.133	0.169		mg/Kg		127	68 - 135		
Endosulfan I			0.133	0.160		mg/Kg		120	68 - 135		
Endosulfan II			0.133	0.179	*	mg/Kg		134	64 - 130		
Endosulfan II			0.133	0.167		mg/Kg		125	64 - 130		
Endosulfan sulfate			0.133	0.167		mg/Kg		125	66 - 143		
Endosulfan sulfate			0.133	0.148		mg/Kg		111	66 - 143		
Endrin			0.133	0.160		mg/Kg		120	68 - 136		
Endrin			0.133	0.155		mg/Kg		116	68 - 136		
Endrin aldehyde			0.133	0.161		mg/Kg		121	68 - 132		
Endrin aldehyde			0.133	0.151		mg/Kg		114	68 - 132		
Endrin ketone			0.133	0.159		mg/Kg		120	60 - 150		
Endrin ketone			0.133	0.150		mg/Kg		113	60 - 150		
gamma-BHC (Lindane)			0.133	0.169		mg/Kg		126	70 - 134		
gamma-BHC (Lindane)			0.133	0.158		mg/Kg		119	70 - 134		
Heptachlor			0.133	0.161		mg/Kg		121	69 - 134		
Heptachlor			0.133	0.151		mg/Kg		113	69 - 134		
Heptachlor epoxide			0.133	0.165		mg/Kg		124	70 - 135		
Heptachlor epoxide			0.133	0.150		mg/Kg		113	70 - 135		
Methoxychlor			0.133	0.122		mg/Kg		91	57 - 135		
Methoxychlor			0.133	0.129		mg/Kg		97	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*115*		*10 - 150*
DCB Decachlorobiphenyl	*111*		*10 - 150*
Tetrachloro-m-xylene	*106*		*10 - 133*
Tetrachloro-m-xylene	*102*		*10 - 133*

Lab Sample ID: LCSD 460-779158/3-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779158

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.170		mg/Kg		128	70 - 140	2	30
4,4'-DDD			0.133	0.157		mg/Kg		118	70 - 140	1	30
4,4'-DDE			0.133	0.173		mg/Kg		130	71 - 137	3	30
4,4'-DDE			0.133	0.159		mg/Kg		119	71 - 137	1	30
4,4'-DDT			0.133	0.130		mg/Kg		97	63 - 131	3	30
4,4'-DDT			0.133	0.148		mg/Kg		111	63 - 131	2	30
Aldrin			0.133	0.174		mg/Kg		130	74 - 140	3	30
Aldrin			0.133	0.153		mg/Kg		114	74 - 140	0	30
alpha-BHC			0.133	0.172		mg/Kg		129	72 - 142	2	30
alpha-BHC			0.133	0.157		mg/Kg		117	72 - 142	1	30
beta-BHC			0.133	0.170		mg/Kg		127	65 - 137	3	30
beta-BHC			0.133	0.160		mg/Kg		120	65 - 137	1	30
delta-BHC			0.133	0.175		mg/Kg		131	70 - 143	3	30
delta-BHC			0.133	0.159		mg/Kg		119	70 - 143	0	30
Dieldrin			0.133	0.171		mg/Kg		128	70 - 135	3	30
Dieldrin			0.133	0.158		mg/Kg		119	70 - 135	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-779158/3-A
Matrix: Solid
Analysis Batch: 779238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779158

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			0.133	0.173		mg/Kg		130	68 - 135	3	30
Endosulfan I			0.133	0.161		mg/Kg		120	68 - 135	1	30
Endosulfan II			0.133	0.184	*	mg/Kg		138	64 - 130	2	30
Endosulfan II			0.133	0.169		mg/Kg		127	64 - 130	1	30
Endosulfan sulfate			0.133	0.171		mg/Kg		128	66 - 143	2	30
Endosulfan sulfate			0.133	0.149		mg/Kg		112	66 - 143	1	30
Endrin			0.133	0.165		mg/Kg		123	68 - 136	3	30
Endrin			0.133	0.157		mg/Kg		117	68 - 136	1	30
Endrin aldehyde			0.133	0.166		mg/Kg		124	68 - 132	3	30
Endrin aldehyde			0.133	0.153		mg/Kg		115	68 - 132	1	30
Endrin ketone			0.133	0.161		mg/Kg		121	60 - 150	1	30
Endrin ketone			0.133	0.151		mg/Kg		113	60 - 150	0	30
gamma-BHC (Lindane)			0.133	0.173		mg/Kg		130	70 - 134	3	30
gamma-BHC (Lindane)			0.133	0.157		mg/Kg		118	70 - 134	0	30
Heptachlor			0.133	0.165		mg/Kg		123	69 - 134	2	30
Heptachlor			0.133	0.151		mg/Kg		113	69 - 134	0	30
Heptachlor epoxide			0.133	0.169		mg/Kg		127	70 - 135	3	30
Heptachlor epoxide			0.133	0.151		mg/Kg		113	70 - 135	1	30
Methoxychlor			0.133	0.123		mg/Kg		92	57 - 135	1	30
Methoxychlor			0.133	0.129		mg/Kg		97	57 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*117*		*10 - 150*
DCB Decachlorobiphenyl	*112*		*10 - 150*
Tetrachloro-m-xylene	*107*		*10 - 133*
Tetrachloro-m-xylene	*101*		*10 - 133*

Lab Sample ID: MB 460-779422/1-A
Matrix: Solid
Analysis Batch: 779537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/21/21 09:57	05/22/21 18:01	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/21/21 09:57	05/22/21 18:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 18:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 18:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/21/21 09:57	05/22/21 18:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/21/21 09:57	05/22/21 18:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/21/21 09:57	05/22/21 18:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/21/21 09:57	05/22/21 18:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/21/21 09:57	05/22/21 18:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/21/21 09:57	05/22/21 18:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 18:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/21/21 09:57	05/22/21 18:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/21/21 09:57	05/22/21 18:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/21/21 09:57	05/22/21 18:01	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-779422/1-A
Matrix: Solid
Analysis Batch: 779537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779422

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		10 - 150	05/21/21 09:57	05/22/21 18:01	1
DCB Decachlorobiphenyl	106		10 - 150	05/21/21 09:57	05/22/21 18:01	1
Tetrachloro-m-xylene	92		10 - 150	05/21/21 09:57	05/22/21 18:01	1
Tetrachloro-m-xylene	92		10 - 150	05/21/21 09:57	05/22/21 18:01	1

Lab Sample ID: LCS 460-779422/2-A
Matrix: Solid
Analysis Batch: 779537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779422

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000839		mg/L		105	64 - 130		
cis-Chlordane			0.000800	0.000898		mg/L		112	64 - 130		
trans-Chlordane			0.000800	0.000860		mg/L		107	65 - 132		
trans-Chlordane			0.000800	0.000909		mg/L		114	65 - 132		
Endrin			0.000800	0.000904		mg/L		113	67 - 132		
Endrin			0.000800	0.000969		mg/L		121	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000844		mg/L		105	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000890		mg/L		111	65 - 134		
Heptachlor			0.000800	0.000852		mg/L		106	63 - 128		
Heptachlor			0.000800	0.000906		mg/L		113	63 - 128		
Heptachlor epoxide			0.000800	0.000853		mg/L		107	66 - 128		
Heptachlor epoxide			0.000800	0.000911		mg/L		114	66 - 128		
Methoxychlor			0.000800	0.000842		mg/L		105	42 - 151		
Methoxychlor			0.000800	0.000889		mg/L		111	42 - 151		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	102		10 - 150
DCB Decachlorobiphenyl	107		10 - 150
Tetrachloro-m-xylene	92		10 - 150
Tetrachloro-m-xylene	100		10 - 150

Lab Sample ID: LCSD 460-779422/3-A
Matrix: Solid
Analysis Batch: 779537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779422

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000903		mg/L		113	64 - 130	7	30
trans-Chlordane			0.000800	0.000920		mg/L		115	65 - 132	7	30
Endrin			0.000800	0.000956		mg/L		119	67 - 132	6	30
gamma-BHC (Lindane)			0.000800	0.000899		mg/L		112	65 - 134	6	30
Heptachlor			0.000800	0.000914		mg/L		114	63 - 128	7	30
Heptachlor epoxide			0.000800	0.000915		mg/L		114	66 - 128	7	30
Methoxychlor			0.000800	0.000883		mg/L		110	42 - 151	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	114		10 - 150
DCB Decachlorobiphenyl	120		10 - 150
Tetrachloro-m-xylene	104		10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-779422/3-A
Matrix: Solid
Analysis Batch: 779537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779422

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	113		10 - 150

Lab Sample ID: MB 460-779645/1-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/22/21 13:53	05/22/21 22:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/22/21 13:53	05/22/21 22:22	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-779645/1-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779645

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		10 - 150	05/22/21 13:53	05/22/21 22:22	1
DCB Decachlorobiphenyl	102		10 - 150	05/22/21 13:53	05/22/21 22:22	1
Tetrachloro-m-xylene	104		10 - 133	05/22/21 13:53	05/22/21 22:22	1
Tetrachloro-m-xylene	103		10 - 133	05/22/21 13:53	05/22/21 22:22	1

Lab Sample ID: LCS 460-779645/2-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.135		mg/Kg		101	70 - 140
4,4'-DDD	0.133	0.162		mg/Kg		121	70 - 140
4,4'-DDE	0.133	0.140		mg/Kg		105	71 - 137
4,4'-DDE	0.133	0.159		mg/Kg		120	71 - 137
4,4'-DDT	0.133	0.125		mg/Kg		94	63 - 131
4,4'-DDT	0.133	0.146		mg/Kg		109	63 - 131
Aldrin	0.133	0.131		mg/Kg		98	74 - 140
Aldrin	0.133	0.157		mg/Kg		118	74 - 140
alpha-BHC	0.133	0.140		mg/Kg		105	72 - 142
alpha-BHC	0.133	0.160		mg/Kg		120	72 - 142
beta-BHC	0.133	0.157		mg/Kg		118	65 - 137
beta-BHC	0.133	0.173		mg/Kg		130	65 - 137
delta-BHC	0.133	0.142		mg/Kg		107	70 - 143
delta-BHC	0.133	0.163		mg/Kg		122	70 - 143
Dieldrin	0.133	0.136		mg/Kg		102	70 - 135
Dieldrin	0.133	0.162		mg/Kg		122	70 - 135
Endosulfan I	0.133	0.140		mg/Kg		105	68 - 135
Endosulfan I	0.133	0.171		mg/Kg		128	68 - 135
Endosulfan II	0.133	0.153		mg/Kg		115	64 - 130
Endosulfan II	0.133	0.170		mg/Kg		127	64 - 130
Endosulfan sulfate	0.133	0.132		mg/Kg		99	66 - 143
Endosulfan sulfate	0.133	0.155		mg/Kg		116	66 - 143
Endrin	0.133	0.131		mg/Kg		98	68 - 136
Endrin	0.133	0.149		mg/Kg		112	68 - 136
Endrin aldehyde	0.133	0.131		mg/Kg		98	68 - 132
Endrin aldehyde	0.133	0.160		mg/Kg		120	68 - 132
Endrin ketone	0.133	0.135		mg/Kg		101	60 - 150
Endrin ketone	0.133	0.152		mg/Kg		114	60 - 150
gamma-BHC (Lindane)	0.133	0.142		mg/Kg		106	70 - 134
gamma-BHC (Lindane)	0.133	0.163		mg/Kg		122	70 - 134
Heptachlor	0.133	0.137		mg/Kg		102	69 - 134
Heptachlor	0.133	0.156		mg/Kg		117	69 - 134
Heptachlor epoxide	0.133	0.137		mg/Kg		103	70 - 135
Heptachlor epoxide	0.133	0.163		mg/Kg		122	70 - 135
Methoxychlor	0.133	0.125		mg/Kg		94	57 - 135
Methoxychlor	0.133	0.120		mg/Kg		90	57 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-779645/2-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779645

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	81		10 - 150
DCB Decachlorobiphenyl	97		10 - 150
Tetrachloro-m-xylene	96		10 - 133
Tetrachloro-m-xylene	99		10 - 133

Lab Sample ID: LCSD 460-779645/3-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779645

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.132		mg/Kg		99	70 - 140	2	30
4,4'-DDD			0.133	0.151		mg/Kg		113	70 - 140	7	30
4,4'-DDE			0.133	0.138		mg/Kg		103	71 - 137	1	30
4,4'-DDE			0.133	0.149		mg/Kg		112	71 - 137	7	30
4,4'-DDT			0.133	0.126		mg/Kg		94	63 - 131	1	30
4,4'-DDT			0.133	0.136		mg/Kg		102	63 - 131	7	30
Aldrin			0.133	0.128		mg/Kg		96	74 - 140	2	30
Aldrin			0.133	0.147		mg/Kg		110	74 - 140	6	30
alpha-BHC			0.133	0.135		mg/Kg		101	72 - 142	4	30
alpha-BHC			0.133	0.151		mg/Kg		113	72 - 142	6	30
beta-BHC			0.133	0.154		mg/Kg		115	65 - 137	2	30
beta-BHC			0.133	0.162		mg/Kg		122	65 - 137	7	30
delta-BHC			0.133	0.138		mg/Kg		104	70 - 143	3	30
delta-BHC			0.133	0.153		mg/Kg		115	70 - 143	6	30
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135	3	30
Dieldrin			0.133	0.156		mg/Kg		117	70 - 135	4	30
Endosulfan I			0.133	0.139		mg/Kg		104	68 - 135	1	30
Endosulfan I			0.133	0.164		mg/Kg		123	68 - 135	4	30
Endosulfan II			0.133	0.152		mg/Kg		114	64 - 130	1	30
Endosulfan II			0.133	0.162		mg/Kg		121	64 - 130	5	30
Endosulfan sulfate			0.133	0.133		mg/Kg		100	66 - 143	1	30
Endosulfan sulfate			0.133	0.147		mg/Kg		110	66 - 143	5	30
Endrin			0.133	0.129		mg/Kg		97	68 - 136	2	30
Endrin			0.133	0.142		mg/Kg		106	68 - 136	5	30
Endrin aldehyde			0.133	0.131		mg/Kg		98	68 - 132	0	30
Endrin aldehyde			0.133	0.152		mg/Kg		114	68 - 132	5	30
Endrin ketone			0.133	0.137		mg/Kg		103	60 - 150	2	30
Endrin ketone			0.133	0.144		mg/Kg		108	60 - 150	5	30
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		103	70 - 134	3	30
gamma-BHC (Lindane)			0.133	0.153		mg/Kg		115	70 - 134	6	30
Heptachlor			0.133	0.133		mg/Kg		100	69 - 134	3	30
Heptachlor			0.133	0.146		mg/Kg		110	69 - 134	6	30
Heptachlor epoxide			0.133	0.136		mg/Kg		102	70 - 135	1	30
Heptachlor epoxide			0.133	0.155		mg/Kg		116	70 - 135	5	30
Methoxychlor			0.133	0.124		mg/Kg		93	57 - 135	1	30
Methoxychlor			0.133	0.108		mg/Kg		81	57 - 135	10	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-779645/3-A
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779645

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	88		10 - 150
DCB Decachlorobiphenyl	94		10 - 150
Tetrachloro-m-xylene	93		10 - 133
Tetrachloro-m-xylene	94		10 - 133

Lab Sample ID: 460-234738-E-3-E MS
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779645

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0077	U	0.153	0.152		mg/Kg	☼	99	70 - 140
4,4'-DDD	0.0077	U	0.153	0.199		mg/Kg	☼	130	70 - 140
4,4'-DDE	0.0077	U	0.153	0.160		mg/Kg	☼	105	71 - 137
4,4'-DDE	0.0077	U	0.153	0.190		mg/Kg	☼	124	71 - 137
4,4'-DDT	0.0077	U	0.153	0.146		mg/Kg	☼	95	63 - 131
4,4'-DDT	0.0077	U	0.153	0.180		mg/Kg	☼	117	63 - 131
Aldrin	0.0077	U	0.153	0.154		mg/Kg	☼	101	74 - 140
Aldrin	0.0077	U	0.153	0.189		mg/Kg	☼	123	74 - 140
alpha-BHC	0.0023	U	0.153	0.165		mg/Kg	☼	108	72 - 142
alpha-BHC	0.0023	U	0.153	0.187		mg/Kg	☼	122	72 - 142
beta-BHC	0.0023	U	0.153	0.186		mg/Kg	☼	121	65 - 137
beta-BHC	0.0023	U	0.153	0.204		mg/Kg	☼	133	65 - 137
delta-BHC	0.0023	U	0.153	0.164		mg/Kg	☼	107	70 - 143
delta-BHC	0.0023	U	0.153	0.191		mg/Kg	☼	125	70 - 143
Dieldrin	0.0023	U	0.153	0.152		mg/Kg	☼	99	70 - 135
Dieldrin	0.0023	U	0.153	0.194		mg/Kg	☼	126	70 - 135
Endosulfan I	0.0077	U	0.153	0.159		mg/Kg	☼	104	68 - 135
Endosulfan I	0.0077	U	0.153	0.194		mg/Kg	☼	126	68 - 135
Endosulfan II	0.0077	U	0.153	0.173		mg/Kg	☼	113	64 - 130
Endosulfan II	0.0077	U	0.153	0.199		mg/Kg	☼	130	64 - 130
Endosulfan sulfate	0.0077	U	0.153	0.143		mg/Kg	☼	93	66 - 143
Endosulfan sulfate	0.0077	U	0.153	0.172		mg/Kg	☼	112	66 - 143
Endrin	0.0077	U	0.153	0.150		mg/Kg	☼	98	68 - 136
Endrin	0.0077	U	0.153	0.182		mg/Kg	☼	119	68 - 136
Endrin aldehyde	0.0077	U	0.153	0.133		mg/Kg	☼	87	68 - 132
Endrin aldehyde	0.0077	U	0.153	0.168		mg/Kg	☼	110	68 - 132
Endrin ketone	0.0077	U	0.153	0.153		mg/Kg	☼	100	60 - 150
Endrin ketone	0.0077	U	0.153	0.174		mg/Kg	☼	114	60 - 150
gamma-BHC (Lindane)	0.0023	U	0.153	0.167		mg/Kg	☼	109	70 - 134
gamma-BHC (Lindane)	0.0023	U	0.153	0.191		mg/Kg	☼	124	70 - 134
Heptachlor	0.0077	U	0.153	0.157		mg/Kg	☼	102	69 - 134
Heptachlor	0.0077	U	0.153	0.185		mg/Kg	☼	121	69 - 134
Heptachlor epoxide	0.0077	U	0.153	0.156		mg/Kg	☼	102	70 - 135
Heptachlor epoxide	0.0077	U	0.153	0.189		mg/Kg	☼	123	70 - 135
Methoxychlor	0.0077	U	0.153	0.141		mg/Kg	☼	92	57 - 135
Methoxychlor	0.0077	U	0.153	0.150		mg/Kg	☼	98	57 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234738-E-3-E MS
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779645

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	83		10 - 150
DCB Decachlorobiphenyl	93		10 - 150
Tetrachloro-m-xylene	81		10 - 133
Tetrachloro-m-xylene	83		10 - 133

Lab Sample ID: 460-234738-E-3-F MSD
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0077	U	0.153	0.165		mg/Kg	☼	107	70 - 140	8	30
4,4'-DDD	0.0077	U	0.153	0.205		mg/Kg	☼	134	70 - 140	3	30
4,4'-DDE	0.0077	U	0.153	0.171		mg/Kg	☼	112	71 - 137	6	30
4,4'-DDE	0.0077	U	0.153	0.195		mg/Kg	☼	127	71 - 137	2	30
4,4'-DDT	0.0077	U	0.153	0.160		mg/Kg	☼	104	63 - 131	9	30
4,4'-DDT	0.0077	U	0.153	0.186		mg/Kg	☼	122	63 - 131	4	30
Aldrin	0.0077	U	0.153	0.170		mg/Kg	☼	111	74 - 140	10	30
Aldrin	0.0077	U	0.153	0.192		mg/Kg	☼	125	74 - 140	2	30
alpha-BHC	0.0023	U	0.153	0.177		mg/Kg	☼	116	72 - 142	7	30
alpha-BHC	0.0023	U	0.153	0.191		mg/Kg	☼	124	72 - 142	2	30
beta-BHC	0.0023	U	0.153	0.197		mg/Kg	☼	129	65 - 137	6	30
beta-BHC	0.0023	U	0.153	0.206		mg/Kg	☼	135	65 - 137	1	30
delta-BHC	0.0023	U	0.153	0.176		mg/Kg	☼	115	70 - 143	7	30
delta-BHC	0.0023	U	0.153	0.195		mg/Kg	☼	127	70 - 143	2	30
Dieldrin	0.0023	U	0.153	0.164		mg/Kg	☼	107	70 - 135	8	30
Dieldrin	0.0023	U	0.153	0.198		mg/Kg	☼	130	70 - 135	2	30
Endosulfan I	0.0077	U	0.153	0.173		mg/Kg	☼	113	68 - 135	9	30
Endosulfan I	0.0077	U	0.153	0.197		mg/Kg	☼	129	68 - 135	2	30
Endosulfan II	0.0077	U	0.153	0.186		mg/Kg	☼	122	64 - 130	7	30
Endosulfan II	0.0077	U	0.153	0.206	*	mg/Kg	☼	135	64 - 130	4	30
Endosulfan sulfate	0.0077	U	0.153	0.153		mg/Kg	☼	100	66 - 143	7	30
Endosulfan sulfate	0.0077	U	0.153	0.180		mg/Kg	☼	118	66 - 143	5	30
Endrin	0.0077	U	0.153	0.161		mg/Kg	☼	105	68 - 136	7	30
Endrin	0.0077	U	0.153	0.188		mg/Kg	☼	123	68 - 136	3	30
Endrin aldehyde	0.0077	U	0.153	0.148		mg/Kg	☼	97	68 - 132	11	30
Endrin aldehyde	0.0077	U	0.153	0.178		mg/Kg	☼	116	68 - 132	5	30
Endrin ketone	0.0077	U	0.153	0.165		mg/Kg	☼	108	60 - 150	8	30
Endrin ketone	0.0077	U	0.153	0.184		mg/Kg	☼	120	60 - 150	5	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.177		mg/Kg	☼	116	70 - 134	6	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.193		mg/Kg	☼	126	70 - 134	1	30
Heptachlor	0.0077	U	0.153	0.167		mg/Kg	☼	109	69 - 134	7	30
Heptachlor	0.0077	U	0.153	0.188		mg/Kg	☼	123	69 - 134	2	30
Heptachlor epoxide	0.0077	U	0.153	0.170		mg/Kg	☼	111	70 - 135	8	30
Heptachlor epoxide	0.0077	U	0.153	0.193		mg/Kg	☼	126	70 - 135	2	30
Methoxychlor	0.0077	U	0.153	0.150		mg/Kg	☼	98	57 - 135	7	30
Methoxychlor	0.0077	U	0.153	0.158		mg/Kg	☼	103	57 - 135	5	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-234738-E-3-F MSD
Matrix: Solid
Analysis Batch: 779541

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779645

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*99*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Lab Sample ID: MB 460-779780/1-A
Matrix: Solid
Analysis Batch: 779843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/23/21 15:43	05/24/21 09:17	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/23/21 15:43	05/24/21 09:17	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 09:17	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 09:17	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/23/21 15:43	05/24/21 09:17	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/23/21 15:43	05/24/21 09:17	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/23/21 15:43	05/24/21 09:17	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/23/21 15:43	05/24/21 09:17	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/23/21 15:43	05/24/21 09:17	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/23/21 15:43	05/24/21 09:17	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 09:17	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 09:17	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/23/21 15:43	05/24/21 09:17	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/23/21 15:43	05/24/21 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/23/21 15:43*	*05/24/21 09:17*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/23/21 15:43*	*05/24/21 09:17*	*1*
Tetrachloro-m-xylene	*91*		*10 - 150*	*05/23/21 15:43*	*05/24/21 09:17*	*1*
Tetrachloro-m-xylene	*97*		*10 - 150*	*05/23/21 15:43*	*05/24/21 09:17*	*1*

Lab Sample ID: LCS 460-779780/2-A
Matrix: Solid
Analysis Batch: 779843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000604		mg/L		75	64 - 130
cis-Chlordane	0.000800	0.000713		mg/L		89	64 - 130
trans-Chlordane	0.000800	0.000600		mg/L		75	65 - 132
trans-Chlordane	0.000800	0.000732		mg/L		91	65 - 132
Endrin	0.000800	0.000576		mg/L		72	67 - 132
Endrin	0.000800	0.000681		mg/L		85	67 - 132
gamma-BHC (Lindane)	0.000800	0.000671		mg/L		84	65 - 134
gamma-BHC (Lindane)	0.000800	0.000749		mg/L		94	65 - 134
Heptachlor	0.000800	0.000605		mg/L		76	63 - 128
Heptachlor	0.000800	0.000694		mg/L		87	63 - 128
Heptachlor epoxide	0.000800	0.000620		mg/L		78	66 - 128
Heptachlor epoxide	0.000800	0.000723		mg/L		90	66 - 128

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-779780/2-A
Matrix: Solid
Analysis Batch: 779843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779780

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor			0.000800	0.000550		mg/L		69	42 - 151		
Methoxychlor			0.000800	0.000574		mg/L		72	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*

Lab Sample ID: LCSD 460-779780/3-A
Matrix: Solid
Analysis Batch: 779843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000638		mg/L		80	64 - 130	5	30
cis-Chlordane			0.000800	0.000772		mg/L		97	64 - 130	8	30
trans-Chlordane			0.000800	0.000639		mg/L		80	65 - 132	6	30
trans-Chlordane			0.000800	0.000792		mg/L		99	65 - 132	8	30
Endrin			0.000800	0.000596		mg/L		75	67 - 132	3	30
Endrin			0.000800	0.000732		mg/L		91	67 - 132	7	30
gamma-BHC (Lindane)			0.000800	0.000677		mg/L		85	65 - 134	1	30
gamma-BHC (Lindane)			0.000800	0.000772		mg/L		96	65 - 134	3	30
Heptachlor			0.000800	0.000617		mg/L		77	63 - 128	2	30
Heptachlor			0.000800	0.000725		mg/L		91	63 - 128	4	30
Heptachlor epoxide			0.000800	0.000651		mg/L		81	66 - 128	5	30
Heptachlor epoxide			0.000800	0.000781		mg/L		98	66 - 128	8	30
Methoxychlor			0.000800	0.000552		mg/L		69	42 - 151	0	30
Methoxychlor			0.000800	0.000598		mg/L		75	42 - 151	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 150*

Lab Sample ID: MB 460-780409/1-A
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 04:48	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 04:48	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 04:48	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 04:48	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 04:48	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 04:48	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 04:48	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 04:48	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-780409/1-A
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 04:48	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 04:48	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 04:48	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 04:48	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 04:48	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 04:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/26/21 10:10*	*05/27/21 04:48*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*05/26/21 10:10*	*05/27/21 04:48*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*05/26/21 10:10*	*05/27/21 04:48*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/26/21 10:10*	*05/27/21 04:48*	*1*

Lab Sample ID: LCS 460-780409/2-A
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000799		mg/L		100	64 - 130
cis-Chlordane	0.000800	0.000840		mg/L		105	64 - 130
trans-Chlordane	0.000800	0.000804		mg/L		101	65 - 132
trans-Chlordane	0.000800	0.000853		mg/L		107	65 - 132
Endrin	0.000800	0.000845		mg/L		106	67 - 132
Endrin	0.000800	0.000888		mg/L		111	67 - 132
gamma-BHC (Lindane)	0.000800	0.000814		mg/L		102	65 - 134
gamma-BHC (Lindane)	0.000800	0.000844		mg/L		106	65 - 134
Heptachlor	0.000800	0.000821		mg/L		103	63 - 128
Heptachlor	0.000800	0.000866		mg/L		108	63 - 128
Heptachlor epoxide	0.000800	0.000800		mg/L		100	66 - 128
Heptachlor epoxide	0.000800	0.000844		mg/L		105	66 - 128
Methoxychlor	0.000800	0.000810		mg/L		101	42 - 151
Methoxychlor	0.000800	0.000881		mg/L		110	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*95*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 150*

Lab Sample ID: LCSD 460-780409/3-A
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.000800	0.000802		mg/L		100	64 - 130	0	30
cis-Chlordane	0.000800	0.000861		mg/L		108	64 - 130	2	30
trans-Chlordane	0.000800	0.000806		mg/L		101	65 - 132	0	30
trans-Chlordane	0.000800	0.000870		mg/L		109	65 - 132	2	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-780409/3-A
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780409

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin			0.000800	0.000844		mg/L		105	67 - 132	0	30
Endrin			0.000800	0.000918		mg/L		115	67 - 132	3	30
gamma-BHC (Lindane)			0.000800	0.000831		mg/L		104	65 - 134	2	30
gamma-BHC (Lindane)			0.000800	0.000870		mg/L		109	65 - 134	3	30
Heptachlor			0.000800	0.000829		mg/L		104	63 - 128	1	30
Heptachlor			0.000800	0.000881		mg/L		110	63 - 128	2	30
Heptachlor epoxide			0.000800	0.000802		mg/L		100	66 - 128	0	30
Heptachlor epoxide			0.000800	0.000857		mg/L		107	66 - 128	2	30
Methoxychlor			0.000800	0.000807		mg/L		101	42 - 151	0	30
Methoxychlor			0.000800	0.000907		mg/L		113	42 - 151	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*97*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 150*
Tetrachloro-m-xylene	*88*		*10 - 150*

Lab Sample ID: LB 460-779672/1-D
Matrix: Solid
Analysis Batch: 779843

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779780

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/23/21 15:43	05/24/21 11:09	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 11:09	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/23/21 15:43	05/24/21 11:09	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/23/21 15:43	05/24/21 11:09	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/23/21 15:43	05/24/21 11:09	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/23/21 15:43	05/24/21 11:09	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/23/21 15:43	05/24/21 11:09	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*10 - 150*	*05/23/21 15:43*	*05/24/21 11:09*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/23/21 15:43*	*05/24/21 11:09*	*1*
Tetrachloro-m-xylene	*92*		*10 - 150*	*05/23/21 15:43*	*05/24/21 11:09*	*1*
Tetrachloro-m-xylene	*97*		*10 - 150*	*05/23/21 15:43*	*05/24/21 11:09*	*1*

Lab Sample ID: LB 460-780242/1-C
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780409

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/26/21 10:10	05/27/21 05:00	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:00	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/26/21 10:10	05/27/21 05:00	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/26/21 10:10	05/27/21 05:00	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/26/21 10:10	05/27/21 05:00	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/26/21 10:10	05/27/21 05:00	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/26/21 10:10	05/27/21 05:00	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-780242/1-C
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780409

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		10 - 150	05/26/21 10:10	05/27/21 05:00	1
DCB Decachlorobiphenyl	87		10 - 150	05/26/21 10:10	05/27/21 05:00	1
Tetrachloro-m-xylene	75		10 - 150	05/26/21 10:10	05/27/21 05:00	1
Tetrachloro-m-xylene	73		10 - 150	05/26/21 10:10	05/27/21 05:00	1

Lab Sample ID: 160-42160-B-1-G MSD
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 780409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.00050	U	0.000800	0.000921		mg/L		115	64 - 130	7	30
cis-Chlordane	0.00050	U	0.000800	0.00101		mg/L		126	64 - 130	5	30
trans-Chlordane	0.00050	U	0.000800	0.000938		mg/L		117	65 - 132	7	30
trans-Chlordane	0.00050	U	0.000800	0.000981		mg/L		123	65 - 132	4	30
Endrin	0.00050	U	0.000800	0.00102		mg/L		128	67 - 132	5	30
Endrin	0.00050	U	0.000800	0.00111	*	mg/L		139	67 - 132	2	30
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000959		mg/L		120	65 - 134	5	30
gamma-BHC (Lindane)	0.00050	U	0.000800	0.00102		mg/L		128	65 - 134	4	30
Heptachlor	0.00050	U	0.000800	0.000669		mg/L		84	63 - 128	2	30
Heptachlor	0.00050	U	0.000800	0.000719		mg/L		90	63 - 128	2	30
Heptachlor epoxide	0.000015	J	0.000800	0.000955		mg/L		118	66 - 128	7	30
Heptachlor epoxide	0.000015	J	0.000800	0.00103		mg/L		126	66 - 128	4	30
Methoxychlor	0.00050	U	0.000800	0.00102		mg/L		128	42 - 151	7	30
Methoxychlor	0.00050	U	0.000800	0.00112		mg/L		140	42 - 151	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	81		10 - 150
DCB Decachlorobiphenyl	84		10 - 150
Tetrachloro-m-xylene	71		10 - 150
Tetrachloro-m-xylene	76		10 - 150

Lab Sample ID: 160-42160-C-1-D MS
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.00050	U	0.000800	0.000856		mg/L		107	64 - 130
cis-Chlordane	0.00050	U	0.000800	0.000954		mg/L		119	64 - 130
trans-Chlordane	0.00050	U	0.000800	0.000875		mg/L		109	65 - 132
trans-Chlordane	0.00050	U	0.000800	0.000940		mg/L		117	65 - 132
Endrin	0.00050	U	0.000800	0.000968		mg/L		121	67 - 132
Endrin	0.00050	U	0.000800	0.00109	*	mg/L		136	67 - 132
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000910		mg/L		114	65 - 134
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000981		mg/L		123	65 - 134
Heptachlor	0.00050	U	0.000800	0.000658		mg/L		82	63 - 128
Heptachlor	0.00050	U	0.000800	0.000733		mg/L		92	63 - 128
Heptachlor epoxide	0.000015	J	0.000800	0.000894		mg/L		110	66 - 128
Heptachlor epoxide	0.000015	J	0.000800	0.000991		mg/L		122	66 - 128

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 160-42160-C-1-D MS
Matrix: Solid
Analysis Batch: 780581

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	0.00050	U	0.000800	0.000953		mg/L		119	42 - 151
Methoxychlor	0.00050	U	0.000800	0.00108		mg/L		135	42 - 151

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*10 - 150*
DCB Decachlorobiphenyl	*79*		*10 - 150*
Tetrachloro-m-xylene	*69*		*10 - 150*
Tetrachloro-m-xylene	*74*		*10 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-779156/1-A
Matrix: Solid
Analysis Batch: 779398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/20/21 09:13	05/21/21 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*37 - 150*	*05/20/21 09:13*	*05/21/21 09:13*	*1*
DCB Decachlorobiphenyl	*129*		*37 - 150*	*05/20/21 09:13*	*05/21/21 09:13*	*1*
Tetrachloro-m-xylene	*110*		*54 - 150*	*05/20/21 09:13*	*05/21/21 09:13*	*1*
Tetrachloro-m-xylene	*127*		*54 - 150*	*05/20/21 09:13*	*05/21/21 09:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-779156/2-A
Matrix: Solid
Analysis Batch: 779398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.383		mg/Kg		115	65 - 133		
Aroclor 1016			0.333	0.365		mg/Kg		110	65 - 133		
Aroclor 1260			0.333	0.414		mg/Kg		124	71 - 150		
Aroclor 1260			0.333	0.383		mg/Kg		115	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*37 - 150*
DCB Decachlorobiphenyl	*101*		*37 - 150*
Tetrachloro-m-xylene	*105*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Lab Sample ID: LCSD 460-779156/3-A
Matrix: Solid
Analysis Batch: 779398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.369		mg/Kg		111	65 - 133	4	30
Aroclor 1016			0.333	0.373		mg/Kg		112	65 - 133	2	30
Aroclor 1260			0.333	0.396		mg/Kg		119	71 - 150	4	30
Aroclor 1260			0.333	0.384		mg/Kg		115	71 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*37 - 150*
DCB Decachlorobiphenyl	*101*		*37 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Lab Sample ID: MB 460-779644/1-A
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-779644/1-A
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/22/21 13:49	05/22/21 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*05/22/21 13:49*	*05/22/21 19:44*	*1*
DCB Decachlorobiphenyl	*116*		*37 - 150*	*05/22/21 13:49*	*05/22/21 19:44*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*05/22/21 13:49*	*05/22/21 19:44*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*05/22/21 13:49*	*05/22/21 19:44*	*1*

Lab Sample ID: LCS 460-779644/2-A
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779644

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.303		mg/Kg		91	65 - 133		
Aroclor 1016			0.333	0.330		mg/Kg		99	65 - 133		
Aroclor 1260			0.333	0.337		mg/Kg		101	71 - 150		
Aroclor 1260			0.333	0.354		mg/Kg		106	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*37 - 150*
DCB Decachlorobiphenyl	*101*		*37 - 150*
Tetrachloro-m-xylene	*74*		*54 - 150*
Tetrachloro-m-xylene	*79*		*54 - 150*

Lab Sample ID: LCSD 460-779644/3-A
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779644

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.312		mg/Kg		93	65 - 133	3	30
Aroclor 1016			0.333	0.335		mg/Kg		100	65 - 133	1	30
Aroclor 1260			0.333	0.347		mg/Kg		104	71 - 150	3	30
Aroclor 1260			0.333	0.366		mg/Kg		110	71 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*37 - 150*
DCB Decachlorobiphenyl	*103*		*37 - 150*
Tetrachloro-m-xylene	*75*		*54 - 150*
Tetrachloro-m-xylene	*81*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-234738-E-3-B MS
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.077	U	0.383	0.434		mg/Kg	☼	113	65 - 133
Aroclor 1016	0.077	U	0.383	0.434		mg/Kg	☼	113	65 - 133
Aroclor 1260	0.077	U	0.383	0.489		mg/Kg	☼	128	71 - 150
Aroclor 1260	0.077	U	0.383	0.482		mg/Kg	☼	126	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*37 - 150*
DCB Decachlorobiphenyl	*109*		*37 - 150*
Tetrachloro-m-xylene	*86*		*54 - 150*
Tetrachloro-m-xylene	*90*		*54 - 150*

Lab Sample ID: 460-234738-E-3-C MSD
Matrix: Solid
Analysis Batch: 779535

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.077	U	0.383	0.463		mg/Kg	☼	121	65 - 133	6	30
Aroclor 1016	0.077	U	0.383	0.502		mg/Kg	☼	131	65 - 133	14	30
Aroclor 1260	0.077	U	0.383	0.509		mg/Kg	☼	133	71 - 150	4	30
Aroclor 1260	0.077	U	0.383	0.536		mg/Kg	☼	140	71 - 150	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*37 - 150*
DCB Decachlorobiphenyl	*121*		*37 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-779323/1-A
Matrix: Solid
Analysis Batch: 779469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/20/21 23:56	05/21/21 13:06	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/20/21 23:56	05/21/21 13:06	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/20/21 23:56	05/21/21 13:06	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/20/21 23:56	05/21/21 13:06	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/20/21 23:56	05/21/21 13:06	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/20/21 23:56	05/21/21 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*111*		*65 - 150*	*05/20/21 23:56*	*05/21/21 13:06*	*1*
2,4-Dichlorophenylacetic acid	*111*		*65 - 150*	*05/20/21 23:56*	*05/21/21 13:06*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-779323/2-A
Matrix: Solid
Analysis Batch: 779469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0935		mg/Kg		112	59 - 150		
2,4,5-T			0.0833	0.105		mg/Kg		126	59 - 150		
2,4-D			0.333	0.401	E	mg/Kg		120	50 - 130		
2,4-D			0.333	0.414	E	mg/Kg		124	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0929		mg/Kg		112	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.108		mg/Kg		130	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*110*		*65 - 150*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*

Lab Sample ID: LCSD 460-779323/3-A
Matrix: Solid
Analysis Batch: 779469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0964		mg/Kg		116	59 - 150	3	30
2,4,5-T			0.0833	0.108		mg/Kg		129	59 - 150	3	30
2,4-D			0.333	0.402	E	mg/Kg		121	50 - 130	0	30
2,4-D			0.333	0.424	E	mg/Kg		127	50 - 130	2	30
Silvex (2,4,5-TP)			0.0833	0.0951		mg/Kg		114	58 - 150	2	30
Silvex (2,4,5-TP)			0.0833	0.111		mg/Kg		134	58 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*

Lab Sample ID: MB 460-779575/1-A
Matrix: Solid
Analysis Batch: 779658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/21/21 22:06	05/22/21 16:40	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/21/21 22:06	05/22/21 16:40	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/21/21 22:06	05/22/21 16:40	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/21/21 22:06	05/22/21 16:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*28 - 150*	*05/21/21 22:06*	*05/22/21 16:40*	*1*
2,4-Dichlorophenylacetic acid	*70*		*28 - 150*	*05/21/21 22:06*	*05/22/21 16:40*	*1*

Lab Sample ID: LCS 460-779575/2-A
Matrix: Solid
Analysis Batch: 779658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779575

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0707	J	mg/L		106	36 - 139		
2,4-D			0.0667	0.0701	J	mg/L		105	36 - 139		

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-779575/2-A
Matrix: Solid
Analysis Batch: 779658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.0167	0.0207	J	mg/L		124	42 - 150
Silvex (2,4,5-TP)	0.0167	0.0169	J	mg/L		101	42 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*28 - 150*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*

Lab Sample ID: LCSD 460-779575/3-A
Matrix: Solid
Analysis Batch: 779658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779575

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0667	0.0725	J	mg/L		109	36 - 139	3	30
2,4-D	0.0667	0.0729	J	mg/L		109	36 - 139	3	30
Silvex (2,4,5-TP)	0.0167	0.0202	J	mg/L		121	42 - 150	3	30
Silvex (2,4,5-TP)	0.0167	0.0194	J	mg/L		117	42 - 150	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*81*		*28 - 150*
2,4-Dichlorophenylacetic acid	*78*		*28 - 150*

Lab Sample ID: MB 460-779576/1-A
Matrix: Solid
Analysis Batch: 779657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/21/21 22:08	05/22/21 16:20	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/21/21 22:08	05/22/21 16:20	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/21/21 22:08	05/22/21 16:20	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/21/21 22:08	05/22/21 16:20	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/21/21 22:08	05/22/21 16:20	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/21/21 22:08	05/22/21 16:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*	*05/21/21 22:08*	*05/22/21 16:20*	*1*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*	*05/21/21 22:08*	*05/22/21 16:20*	*1*

Lab Sample ID: LCS 460-779576/2-A
Matrix: Solid
Analysis Batch: 779657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0916		mg/Kg		110	59 - 150
2,4,5-T	0.0833	0.0979		mg/Kg		118	59 - 150
2,4-D	0.333	0.374		mg/Kg		112	50 - 130
2,4-D	0.333	0.391		mg/Kg		117	50 - 130
Silvex (2,4,5-TP)	0.0833	0.0890		mg/Kg		107	58 - 150
Silvex (2,4,5-TP)	0.0833	0.102		mg/Kg		122	58 - 150

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	106		65 - 150
2,4-Dichlorophenylacetic acid	108		65 - 150

Lab Sample ID: LCSD 460-779576/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779657 — **Prep Batch: 779576**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0925		mg/Kg		111	59 - 150	1	30
2,4,5-T			0.0833	0.101		mg/Kg		122	59 - 150	3	30
2,4-D			0.333	0.386		mg/Kg		116	50 - 130	3	30
2,4-D			0.333	0.404		mg/Kg		121	50 - 130	3	30
Silvex (2,4,5-TP)			0.0833	0.0916		mg/Kg		110	58 - 150	3	30
Silvex (2,4,5-TP)			0.0833	0.106		mg/Kg		127	58 - 150	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	112		65 - 150
2,4-Dichlorophenylacetic acid	114		65 - 150

Lab Sample ID: 460-234651-A-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779657 — **Prep Batch: 779576**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.049	U	0.123	0.144		mg/Kg	☼	117	59 - 150
2,4,5-T	0.049	U	0.123	0.162		mg/Kg	☼	132	59 - 150
2,4-D	0.049	U	0.492	0.557		mg/Kg	☼	113	50 - 130
2,4-D	0.049	U	0.492	0.652	*	mg/Kg	☼	133	50 - 130
Silvex (2,4,5-TP)	0.049	U	0.123	0.133		mg/Kg	☼	108	58 - 150
Silvex (2,4,5-TP)	0.049	U	0.123	0.161		mg/Kg	☼	131	58 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	102		65 - 150
2,4-Dichlorophenylacetic acid	132		65 - 150

Lab Sample ID: 460-234651-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 779657 — **Prep Batch: 779576**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.049	U	0.123	0.145		mg/Kg	☼	118	59 - 150	1	30
2,4,5-T	0.049	U	0.123	0.169		mg/Kg	☼	137	59 - 150	4	30
2,4-D	0.049	U	0.492	0.554		mg/Kg	☼	113	50 - 130	1	30
2,4-D	0.049	U	0.492	0.614		mg/Kg	☼	125	50 - 130	6	30
Silvex (2,4,5-TP)	0.049	U	0.123	0.132		mg/Kg	☼	107	58 - 150	1	30
Silvex (2,4,5-TP)	0.049	U	0.123	0.159		mg/Kg	☼	130	58 - 150	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	97		65 - 150
2,4-Dichlorophenylacetic acid	127		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-779809/1-A
Matrix: Solid
Analysis Batch: 779838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/23/21 22:17	05/24/21 09:29	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/23/21 22:17	05/24/21 09:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/23/21 22:17	05/24/21 09:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/23/21 22:17	05/24/21 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*	*05/23/21 22:17*	*05/24/21 09:29*	*1*
2,4-Dichlorophenylacetic acid	*75*		*28 - 150*	*05/23/21 22:17*	*05/24/21 09:29*	*1*

Lab Sample ID: LCS 460-779809/2-A
Matrix: Solid
Analysis Batch: 779838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779809

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0689	J	mg/L		103	36 - 139		
2,4-D			0.0667	0.0761	J	mg/L		114	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0159	J	mg/L		96	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0190	J	mg/L		114	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*87*		*28 - 150*
2,4-Dichlorophenylacetic acid	*82*		*28 - 150*

Lab Sample ID: LCSD 460-779809/3-A
Matrix: Solid
Analysis Batch: 779838

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779809

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0759	J	mg/L		114	36 - 139	0	30
2,4-D			0.0667	0.0723	J	mg/L		108	36 - 139	5	30
Silvex (2,4,5-TP)			0.0167	0.0190	J	mg/L		114	42 - 150	0	30
Silvex (2,4,5-TP)			0.0167	0.0181	J	mg/L		108	42 - 150	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*

Lab Sample ID: MB 460-780457/1-A
Matrix: Solid
Analysis Batch: 780638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:25	05/27/21 10:29	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:25	05/27/21 10:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:25	05/27/21 10:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:25	05/27/21 10:29	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-780457/1-A
Matrix: Solid
Analysis Batch: 780638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780457

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	96		28 - 150	05/26/21 14:25	05/27/21 10:29	1
2,4-Dichlorophenylacetic acid	98		28 - 150	05/26/21 14:25	05/27/21 10:29	1

Lab Sample ID: LCS 460-780457/2-A
Matrix: Solid
Analysis Batch: 780638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0860		mg/L		129	36 - 139
2,4-D	0.0667	0.0925		mg/L		139	36 - 139
Silvex (2,4,5-TP)	0.0167	0.0206	J	mg/L		124	42 - 150
Silvex (2,4,5-TP)	0.0167	0.0249	J	mg/L		149	42 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	96		28 - 150
2,4-Dichlorophenylacetic acid	101		28 - 150

Lab Sample ID: LCSD 460-780457/3-A
Matrix: Solid
Analysis Batch: 780638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0667	0.0894		mg/L		134	36 - 139	4	30
2,4-D	0.0667	0.0941	*	mg/L		141	36 - 139	2	30
Silvex (2,4,5-TP)	0.0167	0.0210	J	mg/L		126	42 - 150	2	30
Silvex (2,4,5-TP)	0.0167	0.0258	J *	mg/L		155	42 - 150	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	97		28 - 150
2,4-Dichlorophenylacetic acid	101		28 - 150

Lab Sample ID: LB 460-779672/1-F
Matrix: Solid
Analysis Batch: 779838

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779809

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/23/21 22:17	05/24/21 12:38	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/23/21 22:17	05/24/21 12:38	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		28 - 150	05/23/21 22:17	05/24/21 12:38	1
2,4-Dichlorophenylacetic acid	65		28 - 150	05/23/21 22:17	05/24/21 12:38	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-780242/1-F
Matrix: Solid
Analysis Batch: 780638

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780457

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/26/21 14:26	05/27/21 13:45	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/26/21 14:26	05/27/21 13:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*28 - 150*	*05/26/21 14:26*	*05/27/21 13:45*	*1*
2,4-Dichlorophenylacetic acid	*92*		*28 - 150*	*05/26/21 14:26*	*05/27/21 13:45*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-779188/1-A
Matrix: Solid
Analysis Batch: 779274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779188

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/20/21 10:36	05/21/21 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*40 - 140*	*05/20/21 10:36*	*05/21/21 10:39*	*1*
1-Chlorooctadecane	*107*		*40 - 140*	*05/20/21 10:36*	*05/21/21 10:39*	*1*

Lab Sample ID: LCS 460-779188/2-A
Matrix: Solid
Analysis Batch: 779274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779188

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	119		mg/Kg		90	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*86*		*40 - 140*
1-Chlorooctadecane	*120*		*40 - 140*

Lab Sample ID: LCSD 460-779188/3-A
Matrix: Solid
Analysis Batch: 779274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	132		mg/Kg		99	40 - 140	10	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*113*		*40 - 140*
1-Chlorooctadecane	*163*	*	*40 - 140*

Lab Sample ID: MB 460-779768/1-A
Matrix: Solid
Analysis Batch: 779879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779768

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/23/21 14:33	05/24/21 18:13	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		40 - 140	05/23/21 14:33	05/24/21 18:13	1
1-Chlorooctadecane	95		40 - 140	05/23/21 14:33	05/24/21 18:13	1

Lab Sample ID: LCS 460-779768/2-A
Matrix: Solid
Analysis Batch: 779879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	118		mg/Kg		89	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	102		40 - 140
1-Chlorooctadecane	163	*	40 - 140

Lab Sample ID: LCSD 460-779768/3-A
Matrix: Solid
Analysis Batch: 779879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 779768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	133	118		mg/Kg		89	40 - 140	0	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	98		40 - 140
1-Chlorooctadecane	160	*	40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-779711/1-A
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/22/21 22:10	05/23/21 18:44	1
Barium	0.20	U	0.20	0.013	mg/L		05/22/21 22:10	05/23/21 18:44	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/22/21 22:10	05/23/21 18:44	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/22/21 22:10	05/23/21 18:44	1
Lead	0.010	U	0.010	0.0024	mg/L		05/22/21 22:10	05/23/21 18:44	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/22/21 22:10	05/23/21 18:44	1
Silver	0.010	U	0.010	0.0058	mg/L		05/22/21 22:10	05/23/21 18:44	1

Lab Sample ID: LCS 460-779711/2-A ^2
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.04		mg/L		101	80 - 120
Barium	10.0	10.52		mg/L		105	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.30		mg/L		106	80 - 120
Lead	5.00	5.33		mg/L		107	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120

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

Lab Sample ID: LCS 460-779711/2-A ^2
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.500	0.494		mg/L		99	80 - 120

Lab Sample ID: MB 460-779784/1-A
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/23/21 15:50	05/25/21 12:33	1
Barium	0.20	U	0.20	0.013	mg/L		05/23/21 15:50	05/25/21 12:33	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/23/21 15:50	05/25/21 12:33	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/23/21 15:50	05/25/21 12:33	1
Lead	0.010	U	0.010	0.0024	mg/L		05/23/21 15:50	05/25/21 12:33	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/23/21 15:50	05/25/21 12:33	1
Silver	0.010	U	0.010	0.0058	mg/L		05/23/21 15:50	05/25/21 12:33	1

Lab Sample ID: LCS 460-779784/2-A ^2
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.29		mg/L		106	80 - 120
Barium	10.0	10.99		mg/L		110	80 - 120
Cadmium	1.00	1.12		mg/L		112	80 - 120
Chromium	5.00	5.38		mg/L		108	80 - 120
Lead	5.00	5.59		mg/L		112	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	0.500	0.515		mg/L		103	80 - 120

Lab Sample ID: MB 460-780591/1-A
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/27/21 03:28	05/27/21 14:45	1
Barium	0.20	U	0.20	0.013	mg/L		05/27/21 03:28	05/27/21 14:45	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/27/21 03:28	05/27/21 14:45	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/27/21 03:28	05/27/21 14:45	1
Lead	0.010	U	0.010	0.0024	mg/L		05/27/21 03:28	05/27/21 14:45	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/27/21 03:28	05/27/21 14:45	1
Silver	0.010	U	0.010	0.0058	mg/L		05/27/21 03:28	05/27/21 14:45	1

Lab Sample ID: LCS 460-780591/2-A ^2
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.25		mg/L		105	80 - 120
Barium	10.0	11.02		mg/L		110	80 - 120
Cadmium	1.00	1.12		mg/L		112	80 - 120
Chromium	5.00	5.47		mg/L		109	80 - 120

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

Lab Sample ID: LCS 460-780591/2-A ^2
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5.00	5.61		mg/L		112	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	0.500	0.510		mg/L		102	80 - 120

Lab Sample ID: LB 460-779308/1-G ^5
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779711

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/22/21 22:10	05/23/21 19:21	5
Barium	1.0	U	1.0	0.066	mg/L		05/22/21 22:10	05/23/21 19:21	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/22/21 22:10	05/23/21 19:21	5
Chromium	0.050	U	0.050	0.025	mg/L		05/22/21 22:10	05/23/21 19:21	5
Lead	0.050	U	0.050	0.012	mg/L		05/22/21 22:10	05/23/21 19:21	5
Selenium	0.10	U	0.10	0.029	mg/L		05/22/21 22:10	05/23/21 19:21	5
Silver	0.050	U	0.050	0.029	mg/L		05/22/21 22:10	05/23/21 19:21	5

Lab Sample ID: 460-234622-A-6-K MS
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 779711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.041	J	5.00	5.42		mg/L		107	75 - 125
Barium	0.90	J	10.0	11.41		mg/L		105	75 - 125
Cadmium	0.033		1.00	1.11		mg/L		108	75 - 125
Chromium	0.050	U	5.00	5.32		mg/L		106	75 - 125
Lead	0.49		5.00	5.66		mg/L		103	75 - 125
Selenium	0.10	U	1.00	1.11		mg/L		111	75 - 125
Silver	0.050	U	0.500	0.506		mg/L		101	75 - 125

Lab Sample ID: 460-234622-A-6-J DU
Matrix: Solid
Analysis Batch: 779746

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 779711

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.041	J	0.0403	J	mg/L		2	20
Barium	0.90	J	0.889	J	mg/L		1	20
Cadmium	0.033		0.0316		mg/L		3	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.49		0.481		mg/L		2	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-779672/1-E ^5
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779784

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/23/21 15:50	05/25/21 13:27	5
Barium	1.0	U	1.0	0.066	mg/L		05/23/21 15:50	05/25/21 13:27	5

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

Lab Sample ID: LB 460-779672/1-E ^5
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779784

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.020	U	0.020	0.0016	mg/L		05/23/21 15:50	05/25/21 13:27	5
Chromium	0.050	U	0.050	0.025	mg/L		05/23/21 15:50	05/25/21 13:27	5
Lead	0.050	U	0.050	0.012	mg/L		05/23/21 15:50	05/25/21 13:27	5
Selenium	0.10	U	0.10	0.029	mg/L		05/23/21 15:50	05/25/21 13:27	5
Silver	0.050	U	0.050	0.029	mg/L		05/23/21 15:50	05/25/21 13:27	5

Lab Sample ID: 460-234701-A-1-F MS
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 779784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.32		mg/L		106	75 - 125
Barium	0.62	J	10.0	11.06		mg/L		104	75 - 125
Cadmium	0.0071	J	1.00	1.08		mg/L		107	75 - 125
Chromium	0.050	U	5.00	5.26		mg/L		105	75 - 125
Lead	0.15		5.00	5.35		mg/L		104	75 - 125
Selenium	0.10	U	1.00	1.10		mg/L		110	75 - 125
Silver	0.050	U	0.500	0.519		mg/L		104	75 - 125

Lab Sample ID: 460-234701-A-1-E DU
Matrix: Solid
Analysis Batch: 780184

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 779784

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.62	J	0.615	J	mg/L		0.2	20
Cadmium	0.0071	J	0.00697	J	mg/L		2	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.15		0.158		mg/L		5	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-780242/1-I ^5
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780591

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 16:18	5
Barium	1.0	U	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 16:18	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 16:18	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 16:18	5
Lead	0.050	U	0.050	0.012	mg/L		05/27/21 03:28	05/27/21 16:18	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 16:18	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 16:18	5

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

Lab Sample ID: LB 460-780243/1-H ^5
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780591

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 03:28	05/27/21 16:30	5
Barium	1.0	U	1.0	0.066	mg/L		05/27/21 03:28	05/27/21 16:30	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 03:28	05/27/21 16:30	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 03:28	05/27/21 16:30	5
Lead	0.050	U	0.050	0.012	mg/L		05/27/21 03:28	05/27/21 16:30	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 03:28	05/27/21 16:30	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 03:28	05/27/21 16:30	5

Lab Sample ID: 460-234927-A-1-F MS
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780591

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.66		mg/L		113	75 - 125
Barium	0.44	J	10.0	11.53		mg/L		111	75 - 125
Cadmium	0.020	U	1.00	1.15		mg/L		115	75 - 125
Chromium	0.050	U	5.00	5.58		mg/L		112	75 - 125
Lead	0.050	U	5.00	5.57		mg/L		111	75 - 125
Selenium	0.10	U	1.00	1.18		mg/L		118	75 - 125
Silver	0.050	U	0.500	0.532		mg/L		106	75 - 125

Lab Sample ID: 460-234927-A-1-E DU
Matrix: Solid
Analysis Batch: 780719

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 780591

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.0182	J	mg/L		NC	20
Barium	0.44	J	0.411	J	mg/L		6	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.0355	J	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-780592/1-A
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Calcium	100	U	100	17.0	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/27/21 03:42	05/27/21 09:06	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-780592/1-A
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Magnesium	100	U	100	10.2	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Potassium	100	U	100	11.2	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Sodium	100	U	100	15.6	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/27/21 03:42	05/27/21 09:06	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/27/21 03:42	05/27/21 09:06	1

Lab Sample ID: LCSSRM 460-780592/2-A ^5
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780592

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6786		mg/Kg		83.5	48.2 - 151.3
Antimony	134	98.45		mg/Kg		73.5	3.4 - 197.0
Arsenic	156	153.3		mg/Kg		98.3	82.7 - 117.3
Barium	239	235.2		mg/Kg		98.4	82.4 - 117.2
Beryllium	169	175.5		mg/Kg		103.9	83.4 - 117.2
Cadmium	137	139.3		mg/Kg		101.7	82.5 - 116.8
Calcium	4760	4657		mg/Kg		97.8	81.7 - 118.5
Chromium	154	150.8		mg/Kg		97.9	81.8 - 117.5
Cobalt	121	122.0		mg/Kg		100.8	83.5 - 116.5
Copper	54.9	52.67		mg/Kg		95.9	84.0 - 115.8
Iron	14100	13330		mg/Kg		94.5	60.1 - 139.7
Lead	130	127.7		mg/Kg		98.3	82.3 - 116.9
Magnesium	2320	2158		mg/Kg		93.0	75.9 - 124.1
Manganese	269	278.6		mg/Kg		103.6	82.2 - 117.8
Nickel	53.9	55.10		mg/Kg		102.2	82.6 - 117.4
Potassium	2020	1805		mg/Kg		89.4	69.8 - 130.2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-780592/2-A ^5
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780592

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	167	171.8		mg/Kg		102.9	79.0 - 120.4
Silver	33.6	31.50		mg/Kg		93.8	79.8 - 119.9
Sodium	133	129.3	J	mg/Kg		97.2	71.5 - 128.6
Thallium	112	111.1		mg/Kg		99.2	80.6 - 118.8
Vanadium	62.6	61.41		mg/Kg		98.1	78.9 - 121.1
Zinc	158	149.8		mg/Kg		94.8	81.0 - 119.0

Lab Sample ID: 460-234901-E-1-K MS
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7440		637	8937	4	mg/Kg	☼	235	75 - 125
Antimony	1.3	U	6.37	3.31	N	mg/Kg	☼	52	75 - 125
Arsenic	2.5		12.7	14.49		mg/Kg	☼	94	75 - 125
Barium	63.8		12.7	81.50	4	mg/Kg	☼	139	75 - 125
Beryllium	0.40	J	6.37	6.70		mg/Kg	☼	99	75 - 125
Cadmium	1.3	U	6.37	6.12		mg/Kg	☼	96	75 - 125
Calcium	29300		637	25820	4	mg/Kg	☼	-545	75 - 125
Chromium	19.7		12.7	31.03		mg/Kg	☼	89	75 - 125
Cobalt	5.7		6.37	11.85		mg/Kg	☼	96	75 - 125
Copper	13.0		12.7	25.81		mg/Kg	☼	101	75 - 125
Iron	14000		637	14770	4	mg/Kg	☼	120	75 - 125
Lead	16.9		6.37	16.90	N	mg/Kg	☼	0.6	75 - 125
Magnesium	5020		637	5761	4	mg/Kg	☼	117	75 - 125
Manganese	290		63.7	363.9	4	mg/Kg	☼	116	75 - 125
Nickel	13.1		12.7	25.48		mg/Kg	☼	98	75 - 125
Potassium	1940		637	2818	N	mg/Kg	☼	137	75 - 125
Selenium	1.6	U	12.7	11.54		mg/Kg	☼	91	75 - 125
Silver	1.3	U	6.37	5.92		mg/Kg	☼	93	75 - 125
Sodium	981		637	1685		mg/Kg	☼	111	75 - 125
Thallium	0.075	J	5.10	4.93		mg/Kg	☼	95	75 - 125
Vanadium	23.5		12.7	35.38		mg/Kg	☼	93	75 - 125
Zinc	42.2		63.7	98.41		mg/Kg	☼	88	75 - 125

Lab Sample ID: 460-234901-E-1-J DU
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 780592

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7440		7538		mg/Kg	☼	1	20
Antimony	1.3	U	1.3	U	mg/Kg	☼	NC	20
Arsenic	2.5		2.40		mg/Kg	☼	4	20
Barium	63.8		60.52		mg/Kg	☼	5	20
Beryllium	0.40	J	0.398	J	mg/Kg	☼	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-234901-E-1-J DU
Matrix: Solid
Analysis Batch: 780660

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 780592

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Calcium	29300		30020		mg/Kg	☼	2	20
Chromium	19.7		19.93		mg/Kg	☼	1	20
Cobalt	5.7		6.24		mg/Kg	☼	8	20
Copper	13.0		14.07		mg/Kg	☼	8	20
Iron	14000		14460		mg/Kg	☼	3	20
Lead	16.9		13.42	*	mg/Kg	☼	23	20
Magnesium	5020		4926		mg/Kg	☼	2	20
Manganese	290		300.5		mg/Kg	☼	4	20
Nickel	13.1		13.81		mg/Kg	☼	6	20
Potassium	1940		1962		mg/Kg	☼	1	20
Selenium	1.6	U	1.6	U	mg/Kg	☼	NC	20
Silver	1.3	U	1.3	U	mg/Kg	☼	NC	20
Sodium	981		983.4		mg/Kg	☼	0.3	20
Thallium	0.075	J	0.0829	J	mg/Kg	☼	10	20
Vanadium	23.5		24.23		mg/Kg	☼	3	20
Zinc	42.2		43.95		mg/Kg	☼	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-779475/1-A
Matrix: Solid
Analysis Batch: 779500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779475

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/21/21 13:50	05/21/21 15:26	1

Lab Sample ID: LCS 460-779475/2-A
Matrix: Solid
Analysis Batch: 779500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779475

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00491		mg/L		98	80 - 120

Lab Sample ID: MB 460-780449/1-A
Matrix: Solid
Analysis Batch: 780500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000983	J	0.00020	0.000091	mg/L		05/26/21 13:38	05/26/21 15:20	1

Lab Sample ID: LCS 460-780449/2-A
Matrix: Solid
Analysis Batch: 780500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00464		mg/L		93	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 460-779308/1-F
Matrix: Solid
Analysis Batch: 779500

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 779475

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000933	J	0.00020	0.000091	mg/L		05/21/21 13:50	05/21/21 15:49	1

Lab Sample ID: 460-234659-5 MS
Matrix: Solid
Analysis Batch: 779500

Client Sample ID: WC-28 (0-5)
Prep Type: TCLP
Prep Batch: 779475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00502		mg/L		100	75 - 125

Lab Sample ID: 460-234659-5 DU
Matrix: Solid
Analysis Batch: 779500

Client Sample ID: WC-28 (0-5)
Prep Type: TCLP
Prep Batch: 779475

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.000129	J	mg/L		NC	20

Lab Sample ID: LB 460-780242/1-E
Matrix: Solid
Analysis Batch: 780500

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780449

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/26/21 13:42	05/26/21 16:10	1

Lab Sample ID: 460-234917-B-1-J MS
Matrix: Solid
Analysis Batch: 780500

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00429		mg/L		86	75 - 125

Lab Sample ID: 460-234917-B-1-I DU
Matrix: Solid
Analysis Batch: 780500

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 780449

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-779077/1-A
Matrix: Solid
Analysis Batch: 779196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/20/21 04:43	05/20/21 09:49	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 460-779077/2-A ^40
Matrix: Solid
Analysis Batch: 779196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779077

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.50		mg/Kg		100.0	71.7 - 128.3		

Lab Sample ID: 460-234632-D-1-C MS
Matrix: Solid
Analysis Batch: 779196

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.25		0.0833	0.286	N	mg/Kg	☼	40	80 - 120		

Lab Sample ID: 460-234632-D-1-B DU
Matrix: Solid
Analysis Batch: 779196

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779077

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.25		0.256		mg/Kg	☼	1	20

Lab Sample ID: MB 460-779821/1-A
Matrix: Solid
Analysis Batch: 779897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/24/21 04:32	05/24/21 09:25	1

Lab Sample ID: LCSSRM 460-779821/2-A ^40
Matrix: Solid
Analysis Batch: 779897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779821

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	17.74		mg/Kg		86.5	71.7 - 128.3		

Lab Sample ID: 460-233399-C-1-L MS
Matrix: Solid
Analysis Batch: 779897

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.13		0.0868	0.217		mg/Kg	☼	99	80 - 120		

Lab Sample ID: 460-233399-C-1-M MSD
Matrix: Solid
Analysis Batch: 779897

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.13		0.0868	0.223		mg/Kg	☼	106	80 - 120	3	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-233399-C-1-K DU
Matrix: Solid
Analysis Batch: 779897

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779821

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.13		0.133		mg/Kg	☼	1	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-234565-F-1 DU
Matrix: Solid
Analysis Batch: 779467

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Lab Sample ID: 460-234639-E-1 DU
Matrix: Solid
Analysis Batch: 780425

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-132101/1
Matrix: Solid
Analysis Batch: 132101

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			05/28/21 15:59	1

Lab Sample ID: LCS 410-132101/2
Matrix: Solid
Analysis Batch: 132101

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	33.60		mg/L		84	78 - 114

Lab Sample ID: LCSD 410-132101/3
Matrix: Solid
Analysis Batch: 132101

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	33.90		mg/L		85	78 - 114	1	13

Lab Sample ID: 410-41299-G-1 MS
Matrix: Solid
Analysis Batch: 132101

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	5.3	U	42.1	37.89		mg/L		90	78 - 114

Method: 410.4 - COD

Lab Sample ID: MB 460-779979/4
Matrix: Solid
Analysis Batch: 779979

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/24/21 17:38	1

Lab Sample ID: LCSSRM 460-779979/5
Matrix: Solid
Analysis Batch: 779979

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	103.2		mg/Kg		100.2	76.6 - 120.4		

Lab Sample ID: MRL 460-779979/3
Matrix: Solid
Analysis Batch: 779979

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	10.0	U	mg/L		100			

Lab Sample ID: 460-234540-G-1 MS
Matrix: Solid
Analysis Batch: 779979

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	36.1		50.0	82.54		mg/Kg		93	90 - 110		

Lab Sample ID: 460-234540-G-1 MSD
Matrix: Solid
Analysis Batch: 779979

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	36.1		50.0	81.57		mg/Kg		91	90 - 110	1	10

Lab Sample ID: MB 460-780236/4
Matrix: Solid
Analysis Batch: 780236

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/25/21 17:45	1

Lab Sample ID: LCSSRM 460-780236/5
Matrix: Solid
Analysis Batch: 780236

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	102.5		mg/Kg		99.5	76.6 - 120.4		

Method: 410.4 - COD (Continued)

Lab Sample ID: MRL 460-780236/3
Matrix: Solid
Analysis Batch: 780236

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	10.0	U	mg/L		93			

Lab Sample ID: 460-234945-G-1 MS
Matrix: Solid
Analysis Batch: 780236

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	10.0	U	50.0	51.90		mg/Kg		104	90 - 110		

Lab Sample ID: 460-234945-G-1 MSD
Matrix: Solid
Analysis Batch: 780236

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	10.0	U	50.0	49.97		mg/Kg		100	90 - 110	4	10

Lab Sample ID: MB 460-781637/4
Matrix: Solid
Analysis Batch: 781637

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1

Lab Sample ID: LCSSRM 460-781637/5
Matrix: Solid
Analysis Batch: 781637

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	104.8		mg/Kg		101.7	76.6 - 120.4		

Lab Sample ID: MRL 460-781637/3
Matrix: Solid
Analysis Batch: 781637

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	10.0	U	mg/L		97			

Lab Sample ID: LB 460-779302/1-A
Matrix: Solid
Analysis Batch: 779979

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/24/21 17:38	1

Method: 410.4 - COD (Continued)

Lab Sample ID: LB 460-779790/1-A
Matrix: Solid
Analysis Batch: 779979

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/24/21 17:40	1

Lab Sample ID: LB 460-780000/1-A
Matrix: Solid
Analysis Batch: 780236

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			05/25/21 17:45	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-779811/44
Matrix: Solid
Analysis Batch: 779811

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:30	1

Lab Sample ID: LCS 460-779811/45
Matrix: Solid
Analysis Batch: 779811

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.05		mg/L		103	89 - 113

Lab Sample ID: MRL 460-779811/12
Matrix: Solid
Analysis Batch: 779811

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.100	0.110		mg/L		110	50 - 150

Lab Sample ID: MB 460-780833/45
Matrix: Solid
Analysis Batch: 780833

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:25	1

Lab Sample ID: LCS 460-780833/48
Matrix: Solid
Analysis Batch: 780833

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.03		mg/L		102	89 - 113

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: MRL 460-780833/12
Matrix: Solid
Analysis Batch: 780833

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			0.100	0.109		mg/L		109	50 - 150		

Lab Sample ID: MB 460-782622/109
Matrix: Solid
Analysis Batch: 782622

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:19	1

Lab Sample ID: LCS 460-782622/110
Matrix: Solid
Analysis Batch: 782622

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.13		mg/L		107	89 - 113		

Lab Sample ID: MRL 460-782622/12
Matrix: Solid
Analysis Batch: 782622

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			0.100	0.0931	J	mg/L		93	50 - 150		

Lab Sample ID: LB 460-779012/1-A
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:29	1

Lab Sample ID: LB 460-779302/1-A
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/23/21 22:27	1

Lab Sample ID: 460-234565-D-1-A MS
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: Matrix Spike
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.10	U	2.00	2.09		mg/L		105	89 - 113		

Lab Sample ID: 460-234565-D-1-A MSD
Matrix: Solid
Analysis Batch: 779811

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.07		mg/L		104	89 - 113	1	10

Method: 4500 NH3 H - Ammonia

Lab Sample ID: LB 460-780000/1-A
Matrix: Solid
Analysis Batch: 780833

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:22	1

Lab Sample ID: LB 460-780247/1-A
Matrix: Solid
Analysis Batch: 780833

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			05/27/21 19:20	1

Lab Sample ID: LB 460-780561/1-A
Matrix: Solid
Analysis Batch: 780833

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0	U	2.0	1.0	mg/L			05/27/21 23:25	1

Lab Sample ID: 460-234917-B-1-D MS
Matrix: Solid
Analysis Batch: 780833

Client Sample ID: Matrix Spike
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.04		mg/L		102	89 - 113

Lab Sample ID: 460-234917-B-1-D MSD
Matrix: Solid
Analysis Batch: 780833

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.04		mg/L		102	89 - 113	0	10

Lab Sample ID: LB 460-781104/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:17	1

Lab Sample ID: 460-235054-A-2-C MS
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Matrix Spike
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.29	N	mg/L		115	89 - 113

Lab Sample ID: 460-235054-A-2-C MSD
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.28	N	mg/L		114	89 - 113	0	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-132221/1-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		05/29/21 02:34	05/30/21 03:25	1

Lab Sample ID: LCS 410-132221/2-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.84		mg/Kg		97	80 - 120

Lab Sample ID: LCSI 410-132221/3-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	720	684.8		mg/Kg		95	80 - 120

Lab Sample ID: 460-233537-C-11-G MSS
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	7.6		44.1	48.11		mg/Kg	☼	92	75 - 125

Lab Sample ID: 460-233537-C-11-H MSI
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	7.6		1040	992.3		mg/Kg	☼	95	75 - 125

Lab Sample ID: 460-233537-C-11-J DU
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	7.6		7.51		mg/Kg	☼	0.7	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-779669/1-A
Matrix: Solid
Analysis Batch: 779936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/22/21 17:59	05/24/21 14:17	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 460-779669/2-A ^20
Matrix: Solid
Analysis Batch: 779936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779669

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			94.3	72.00		mg/Kg		76.4	29.4 - 117.7		

Lab Sample ID: 460-234632-E-4-F MS
Matrix: Solid
Analysis Batch: 779936

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.24	U	4.90	5.24		mg/Kg	☼	107	11 - 108		

Lab Sample ID: 460-234632-E-4-G MSD
Matrix: Solid
Analysis Batch: 779936

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.24	U	5.28	6.28	N	mg/Kg	☼	119	11 - 108	18	40

Lab Sample ID: MB 460-780640/2-A
Matrix: Solid
Analysis Batch: 780738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/27/21 08:06	05/27/21 12:30	1

Lab Sample ID: LCSSRM 460-780640/3-A ^20
Matrix: Solid
Analysis Batch: 780738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780640

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			94.3	52.32		mg/Kg		55.5	29.4 - 117.7		

Lab Sample ID: 460-234842-B-21-C MS
Matrix: Solid
Analysis Batch: 780738

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.30	U	6.08	5.81		mg/Kg	☼	95	11 - 108		

Lab Sample ID: 460-234842-B-21-D MSD
Matrix: Solid
Analysis Batch: 780738

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.30	U	6.08	5.93		mg/Kg	☼	97	11 - 108	2	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-779495/1-A
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779495

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/21/21 16:23	05/21/21 16:35	1

Lab Sample ID: LCS 460-779495/2-A
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-234565-F-1-F DU
Matrix: Solid
Analysis Batch: 779497

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 779495

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Lab Sample ID: MB 460-780827/1-A
Matrix: Solid
Analysis Batch: 780829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780827

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/27/21 19:46	05/27/21 19:53	1

Lab Sample ID: LCS 460-780827/2-A
Matrix: Solid
Analysis Batch: 780829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-234828-D-1-E DU
Matrix: Solid
Analysis Batch: 780829

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 780827

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-779494/1-A
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779494

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/21/21 16:17	05/21/21 16:29	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCSSRM 460-779494/3-A
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	62.52		mg/Kg		99.9	44.9 - 144.2

Lab Sample ID: 460-234565-F-1-C MS
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	458	372.7		mg/Kg		81	64 - 136

Lab Sample ID: 460-234565-F-1-D MSD
Matrix: Solid
Analysis Batch: 779496

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 779494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	458	365.2		mg/Kg		80	64 - 136	2	10

Lab Sample ID: MB 460-780825/1-A
Matrix: Solid
Analysis Batch: 780828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780825

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/27/21 19:39	05/27/21 19:50	1

Lab Sample ID: LCSSRM 460-780825/3-A
Matrix: Solid
Analysis Batch: 780828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780825

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	52.90		mg/Kg		84.5	44.9 - 144.2

Lab Sample ID: 460-234956-C-2-C MS
Matrix: Solid
Analysis Batch: 780828

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	461	363.1		mg/Kg		79	64 - 136

Lab Sample ID: 460-234956-C-2-D MSD
Matrix: Solid
Analysis Batch: 780828

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780825

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	461	355.5		mg/Kg		77	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-780792/2
Matrix: Solid
Analysis Batch: 780792

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.1				SU			05/27/21 15:48	1
Corrosivity	6.1				SU			05/27/21 15:48	1

Lab Sample ID: LCSSRM 460-780792/3
Matrix: Solid
Analysis Batch: 780792

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		99.0	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		99.0	97.6 - 102.4		

Lab Sample ID: 460-234659-5 DU
Matrix: Solid
Analysis Batch: 780792

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.7	HF		8.7		SU				0.3	10
Corrosivity	8.7	HF		8.7		SU				0.3	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-130051/1-A
Matrix: Solid
Analysis Batch: 130369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		05/24/21 18:00	05/25/21 10:46	1

Lab Sample ID: LCS 410-130051/2-A
Matrix: Solid
Analysis Batch: 130369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130051

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease			4980	4773		mg/Kg		96	91 - 111		

Lab Sample ID: 180-121684-D-1-B MS
Matrix: Solid
Analysis Batch: 130369

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 130051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease	704	U	5900	5434		mg/Kg	☼	92	91 - 111		

Lab Sample ID: 180-121684-D-1-C MSD
Matrix: Solid
Analysis Batch: 130369

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 130051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	704	U	5890	5018	N	mg/Kg	☼	85	91 - 111	8	26

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: 180-121684-D-1-D DU
Matrix: Solid
Analysis Batch: 130369

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 130051

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	704	U	709	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 410-131706/1-A
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		05/28/21 13:00	05/28/21 20:49	1

Lab Sample ID: LCS 410-131706/2-A
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4970	4905		mg/Kg		99	91 - 111

Lab Sample ID: 460-235054-D-3-B MS
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	702		5410	5393	N	mg/Kg	☼	87	91 - 111

Lab Sample ID: 460-235054-D-3-C MSD
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	702		5280	5269	N	mg/Kg	☼	87	91 - 111	2	26

Lab Sample ID: 460-235054-D-3-D DU
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	702		538.3	J	mg/Kg	☼	26	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-234651-E-1 DU
Matrix: Solid
Analysis Batch: 779451

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: 9095B - Paint Filter (Continued)

Lab Sample ID: 460-234956-B-2 DU
Matrix: Solid
Analysis Batch: 780693

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-234679-E-6 DU
Matrix: Solid
Analysis Batch: 779177

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.9			11.7		%				7	20
Percent Solids	89.1			88.3		%				0.9	20

Lab Sample ID: 460-234842-B-14 DU
Matrix: Solid
Analysis Batch: 779899

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.5			11.9		%				12	20
Percent Solids	89.5			88.1		%				2	20

Lab Sample ID: 460-234859-A-11 DU
Matrix: Solid
Analysis Batch: 780174

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	37.0			33.7		%				9	20
Percent Solids	63.0			66.3		%				5	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-779477/1
Matrix: Solid
Analysis Batch: 779477

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/21/21 14:00	1

Lab Sample ID: LCSSRM 460-779477/2
Matrix: Solid
Analysis Batch: 779477

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			756	742.0		mg/L		98.1	89.9 - 110.1		

Lab Sample ID: MRL 460-779477/3
Matrix: Solid
Analysis Batch: 779477

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			7.56	10.00		mg/L		132	50 - 150		

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-780181/1
Matrix: Solid
Analysis Batch: 780181

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/25/21 14:13	1

Lab Sample ID: LCSSRM 460-780181/2
Matrix: Solid
Analysis Batch: 780181

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	748.0		mg/L		98.9	89.9 - 110.1

Lab Sample ID: MRL 460-780181/3
Matrix: Solid
Analysis Batch: 780181

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		119	50 - 150

Lab Sample ID: LB 460-779302/1-A
Matrix: Solid
Analysis Batch: 779477

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/21/21 14:00	1

Lab Sample ID: 460-234659-5 DU
Matrix: Solid
Analysis Batch: 779477

Client Sample ID: WC-28 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	68.0		73.00	*	mg/L		7	5

Lab Sample ID: LB 460-780000/1-A
Matrix: Solid
Analysis Batch: 780181

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			05/25/21 14:13	1

Lab Sample ID: 460-234830-1 DU
Matrix: Solid
Analysis Batch: 780181

Client Sample ID: WC-20 (5-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	381		384.0		mg/L		0.8	5

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-779150/1
Matrix: Solid
Analysis Batch: 779150

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/20/21 08:50	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/20/21 08:50	1

Lab Sample ID: 460-234659-5 DU
Matrix: Solid
Analysis Batch: 779150

Client Sample ID: WC-28 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	94.8		94.36		%		0.5	5
Total Volatile Solids	2.2		2.26		%		3	5

Lab Sample ID: MB 460-779878/1
Matrix: Solid
Analysis Batch: 779878

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/24/21 09:45	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/24/21 09:45	1

Lab Sample ID: 460-234830-6 DU
Matrix: Solid
Analysis Batch: 779878

Client Sample ID: WC-1 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	94.8		94.14		%		0.7	5
Total Volatile Solids	4.1		3.94		%		5	5

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Prep Batch: 779051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-2	WC-20D (13-15)	Total/NA	Solid	5035	

Prep Batch: 779052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-1	WC-20C (8-10)	Total/NA	Solid	5035	
460-234659-3	WC-29C (0-2)	Total/NA	Solid	5035	
460-234659-4	WC-28A (0-2)	Total/NA	Solid	5035	
LB3 460-779052/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 779079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-1	WC-20C (8-10)	TCLP	Solid	1311	
460-234659-2	WC-20D (13-15)	TCLP	Solid	1311	
460-234659-3	WC-29C (0-2)	TCLP	Solid	1311	
460-234659-4	WC-28A (0-2)	TCLP	Solid	1311	
LB 460-779079/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 779247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-779052/1-A	Method Blank	Total/NA	Solid	8260D	779052
MB 460-779247/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-779247/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779247/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 779352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-1	WC-20C (8-10)	Total/NA	Solid	8260D	779052
460-234659-4	WC-28A (0-2)	Total/NA	Solid	8260D	779052
MB 460-779352/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-779352/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779352/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 779379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-1	WC-20C (8-10)	TCLP	Solid	8260D	779079
460-234659-2	WC-20D (13-15)	TCLP	Solid	8260D	779079
460-234659-3	WC-29C (0-2)	TCLP	Solid	8260D	779079
460-234659-4	WC-28A (0-2)	TCLP	Solid	8260D	779079
MB 460-779379/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-779379/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779379/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 779385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779079/1-A	Method Blank	TCLP	Solid	8260D	779079
MB 460-779385/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-779385/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779385/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 779489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-4	WC-2D (3-5)	Total/NA	Solid	5035	
460-234830-5	WC-1A (0-2)	Total/NA	Solid	5035	
LB3 460-779489/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 779612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-2	WC-20D (13-15)	Total/NA	Solid	8260D	779051
MB 460-779612/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-779612/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-779612/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 779637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234918-1	WCR-1C (3-5)	Total/NA	Solid	5035	
460-234918-2	WCR-2D (1-3)	Total/NA	Solid	5035	
LB3 460-779637/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 779769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-4	WC-2D (3-5)	TCLP	Solid	1311	
460-234830-5	WC-1A (0-2)	TCLP	Solid	1311	
LB 460-779769/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 780101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779769/1-A	Method Blank	TCLP	Solid	8260D	779769
MB 460-780101/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-780101/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780101/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 780318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-4	WC-2D (3-5)	TCLP	Solid	8260D	779769
460-234830-5	WC-1A (0-2)	TCLP	Solid	8260D	779769
MB 460-780318/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-780318/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780318/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 780328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234918-1	WCR-1C (3-5)	TCLP	Solid	1311	
460-234918-2	WCR-2D (1-3)	TCLP	Solid	1311	
LB 460-780328/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 780354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-3	WC-29C (0-2)	Total/NA	Solid	8260D	779052
MB 460-780354/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-780354/16	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780354/18	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 780432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234918-1	WCR-1C (3-5)	Total/NA	Solid	8260D	779637
460-234918-2	WCR-2D (1-3)	Total/NA	Solid	8260D	779637
LB3 460-779637/1-A	Method Blank	Total/NA	Solid	8260D	779637
MB 460-780432/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-780432/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780432/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 780468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-4	WC-2D (3-5)	Total/NA	Solid	8260D	779489
460-234830-5	WC-1A (0-2)	Total/NA	Solid	8260D	779489
LB3 460-779489/1-A	Method Blank	Total/NA	Solid	8260D	779489
MB 460-780468/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-780468/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780468/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 780648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234918-1	WCR-1C (3-5)	TCLP	Solid	8260D	780328
460-234918-2	WCR-2D (1-3)	TCLP	Solid	8260D	780328
LB 460-780328/1-A	Method Blank	TCLP	Solid	8260D	780328
MB 460-780648/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-780648/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780648/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 779235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779308/1-B	Method Blank	TCLP	Solid	3510C	779308
MB 460-779235/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779235/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779235/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 779256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779235/1-A	Method Blank	Total/NA	Solid	8270E	779235
LCS 460-779235/2-A	Lab Control Sample	Total/NA	Solid	8270E	779235
LCSD 460-779235/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	779235

Prep Batch: 779297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3546	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3546	
MB 460-779297/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779297/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779297/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234659-5 MS	WC-28 (0-5)	Total/NA	Solid	3546	
460-234659-5 MSD	WC-28 (0-5)	Total/NA	Solid	3546	

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Leach Batch: 779308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	1311	
LB 460-779308/1-B	Method Blank	TCLP	Solid	1311	

Analysis Batch: 779369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	8270E	779297
460-234659-6	WC-29 (0-5)	Total/NA	Solid	8270E	779297
MB 460-779297/1-A	Method Blank	Total/NA	Solid	8270E	779297
LCS 460-779297/2-A	Lab Control Sample	Total/NA	Solid	8270E	779297
LCSD 460-779297/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	779297
460-234659-5 MS	WC-28 (0-5)	Total/NA	Solid	8270E	779297
460-234659-5 MSD	WC-28 (0-5)	Total/NA	Solid	8270E	779297

Analysis Batch: 779408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779308/1-B	Method Blank	TCLP	Solid	8270E	779235

Prep Batch: 779450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	3510C	779308
MB 460-779450/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779450/2-A	Lab Control Sample	Total/NA	Solid	3510C	
460-234785-E-3-A MS	Matrix Spike	Total/NA	Solid	3510C	
460-234785-E-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3510C	

Analysis Batch: 779514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	8270E	779450
MB 460-779450/1-A	Method Blank	Total/NA	Solid	8270E	779450
LCS 460-779450/2-A	Lab Control Sample	Total/NA	Solid	8270E	779450
460-234785-E-3-A MS	Matrix Spike	Total/NA	Solid	8270E	779450
460-234785-E-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	779450

Prep Batch: 779556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3546	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3546	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3546	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3546	
MB 460-779556/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779556/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779556/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234819-D-1-F MS	Matrix Spike	Total/NA	Solid	3546	
460-234819-D-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 779672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	1311	
LB 460-779672/1-B	Method Blank	TCLP	Solid	1311	

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Analysis Batch: 779695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	8270E	779556
460-234830-2	WC-20 (10-18)	Total/NA	Solid	8270E	779556
460-234830-3	WC-2 (0-5)	Total/NA	Solid	8270E	779556
460-234830-6	WC-1 (0-5)	Total/NA	Solid	8270E	779556
MB 460-779556/1-A	Method Blank	Total/NA	Solid	8270E	779556
LCS 460-779556/2-A	Lab Control Sample	Total/NA	Solid	8270E	779556
LCSD 460-779556/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	779556
460-234819-D-1-F MS	Matrix Spike	Total/NA	Solid	8270E	779556
460-234819-D-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	779556

Prep Batch: 779723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	3510C	779672
LB 460-779672/1-B	Method Blank	TCLP	Solid	3510C	779672
MB 460-779723/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779723/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779723/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 779773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	8270E	779723
LB 460-779672/1-B	Method Blank	TCLP	Solid	8270E	779723
MB 460-779723/1-A	Method Blank	Total/NA	Solid	8270E	779723
LCS 460-779723/2-A	Lab Control Sample	Total/NA	Solid	8270E	779723
LCSD 460-779723/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	779723

Leach Batch: 780242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	1311	
460-234830-2	WC-20 (10-18)	TCLP	Solid	1311	
460-234830-3	WC-2 (0-5)	TCLP	Solid	1311	
460-234830-6	WC-1 (0-5)	TCLP	Solid	1311	
LB 460-780242/1-B	Method Blank	TCLP	Solid	1311	
160-42160-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
160-42160-C-1-C MS	Matrix Spike	TCLP	Solid	1311	

Prep Batch: 780407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	3510C	780242
460-234830-2	WC-20 (10-18)	TCLP	Solid	3510C	780242
460-234830-3	WC-2 (0-5)	TCLP	Solid	3510C	780242
460-234830-6	WC-1 (0-5)	TCLP	Solid	3510C	780242
LB 460-780242/1-B	Method Blank	TCLP	Solid	3510C	780242
MB 460-780407/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-780407/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-780407/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
160-42160-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	3510C	780242
160-42160-C-1-C MS	Matrix Spike	TCLP	Solid	3510C	780242

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Analysis Batch: 780504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	8270E	780407
460-234830-2	WC-20 (10-18)	TCLP	Solid	8270E	780407
460-234830-3	WC-2 (0-5)	TCLP	Solid	8270E	780407
460-234830-6	WC-1 (0-5)	TCLP	Solid	8270E	780407
LB 460-780242/1-B	Method Blank	TCLP	Solid	8270E	780407
MB 460-780407/1-A	Method Blank	Total/NA	Solid	8270E	780407
LCS 460-780407/2-A	Lab Control Sample	Total/NA	Solid	8270E	780407
LCSD 460-780407/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	780407
160-42160-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	8270E	780407
160-42160-C-1-C MS	Matrix Spike	TCLP	Solid	8270E	780407

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Prep Batch: 779156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3546	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3546	
MB 460-779156/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779156/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779156/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 779158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3546	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3546	
MB 460-779158/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779158/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779158/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 779188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3546	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3546	
MB 460-779188/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779188/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779188/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 779238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	8081B	779158
460-234659-6	WC-29 (0-5)	Total/NA	Solid	8081B	779158
MB 460-779158/1-A	Method Blank	Total/NA	Solid	8081B	779158
LCS 460-779158/2-A	Lab Control Sample	Total/NA	Solid	8081B	779158
LCSD 460-779158/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779158

Analysis Batch: 779274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	NJDEP EPH	779188
460-234659-6	WC-29 (0-5)	Total/NA	Solid	NJDEP EPH	779188
MB 460-779188/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	779188
LCS 460-779188/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	779188

GC Semi VOA (Continued)

Analysis Batch: 779274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-779188/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	779188

Leach Batch: 779308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	1311	

Prep Batch: 779323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	8151A	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	8151A	
MB 460-779323/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779323/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779323/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 779398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	8082A	779156
460-234659-6	WC-29 (0-5)	Total/NA	Solid	8082A	779156
MB 460-779156/1-A	Method Blank	Total/NA	Solid	8082A	779156
LCS 460-779156/2-A	Lab Control Sample	Total/NA	Solid	8082A	779156
LCSD 460-779156/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	779156

Prep Batch: 779422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	3510C	779308
MB 460-779422/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779422/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779422/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 779469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	8151A	779323
460-234659-6	WC-29 (0-5)	Total/NA	Solid	8151A	779323
MB 460-779323/1-A	Method Blank	Total/NA	Solid	8151A	779323
LCS 460-779323/2-A	Lab Control Sample	Total/NA	Solid	8151A	779323
LCSD 460-779323/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779323

Analysis Batch: 779535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	8082A	779644
460-234830-2	WC-20 (10-18)	Total/NA	Solid	8082A	779644
460-234830-3	WC-2 (0-5)	Total/NA	Solid	8082A	779644
460-234830-6	WC-1 (0-5)	Total/NA	Solid	8082A	779644
MB 460-779644/1-A	Method Blank	Total/NA	Solid	8082A	779644
LCS 460-779644/2-A	Lab Control Sample	Total/NA	Solid	8082A	779644
LCSD 460-779644/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	779644
460-234738-E-3-B MS	Matrix Spike	Total/NA	Solid	8082A	779644
460-234738-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	779644

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Analysis Batch: 779537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	8081B	779422
MB 460-779422/1-A	Method Blank	Total/NA	Solid	8081B	779422
LCS 460-779422/2-A	Lab Control Sample	Total/NA	Solid	8081B	779422
LCSD 460-779422/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779422

Analysis Batch: 779541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	8081B	779645
460-234830-2	WC-20 (10-18)	Total/NA	Solid	8081B	779645
460-234830-3	WC-2 (0-5)	Total/NA	Solid	8081B	779645
460-234830-6	WC-1 (0-5)	Total/NA	Solid	8081B	779645
MB 460-779645/1-A	Method Blank	Total/NA	Solid	8081B	779645
LCS 460-779645/2-A	Lab Control Sample	Total/NA	Solid	8081B	779645
LCSD 460-779645/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779645
460-234738-E-3-E MS	Matrix Spike	Total/NA	Solid	8081B	779645
460-234738-E-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	779645

Prep Batch: 779575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	8151A	779308
MB 460-779575/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779575/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779575/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 779576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	8151A	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	8151A	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	8151A	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	8151A	
MB 460-779576/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779576/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779576/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-234651-A-1-A MS	Matrix Spike	Total/NA	Solid	8151A	
460-234651-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Prep Batch: 779644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3546	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3546	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3546	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3546	
MB 460-779644/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779644/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779644/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234738-E-3-B MS	Matrix Spike	Total/NA	Solid	3546	
460-234738-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 779645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 779645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3546	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3546	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3546	
MB 460-779645/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779645/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779645/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234738-E-3-E MS	Matrix Spike	Total/NA	Solid	3546	
460-234738-E-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 779657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	8151A	779576
460-234830-2	WC-20 (10-18)	Total/NA	Solid	8151A	779576
460-234830-3	WC-2 (0-5)	Total/NA	Solid	8151A	779576
460-234830-6	WC-1 (0-5)	Total/NA	Solid	8151A	779576
MB 460-779576/1-A	Method Blank	Total/NA	Solid	8151A	779576
LCS 460-779576/2-A	Lab Control Sample	Total/NA	Solid	8151A	779576
LCSD 460-779576/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779576
460-234651-A-1-A MS	Matrix Spike	Total/NA	Solid	8151A	779576
460-234651-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	779576

Analysis Batch: 779658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	8151A	779575
MB 460-779575/1-A	Method Blank	Total/NA	Solid	8151A	779575
LCS 460-779575/2-A	Lab Control Sample	Total/NA	Solid	8151A	779575
LCSD 460-779575/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779575

Leach Batch: 779672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	1311	
LB 460-779672/1-D	Method Blank	TCLP	Solid	1311	
LB 460-779672/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 779768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3546	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3546	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3546	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3546	
MB 460-779768/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-779768/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-779768/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 779780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	3510C	779672
LB 460-779672/1-D	Method Blank	TCLP	Solid	3510C	779672
MB 460-779780/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-779780/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-779780/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

GC Semi VOA

Prep Batch: 779809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	8151A	779672
LB 460-779672/1-F	Method Blank	TCLP	Solid	8151A	779672
MB 460-779809/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-779809/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-779809/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 779838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	8151A	779809
LB 460-779672/1-F	Method Blank	TCLP	Solid	8151A	779809
MB 460-779809/1-A	Method Blank	Total/NA	Solid	8151A	779809
LCS 460-779809/2-A	Lab Control Sample	Total/NA	Solid	8151A	779809
LCSD 460-779809/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	779809

Analysis Batch: 779843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	8081B	779780
LB 460-779672/1-D	Method Blank	TCLP	Solid	8081B	779780
MB 460-779780/1-A	Method Blank	Total/NA	Solid	8081B	779780
LCS 460-779780/2-A	Lab Control Sample	Total/NA	Solid	8081B	779780
LCSD 460-779780/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	779780

Analysis Batch: 779879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779768/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	779768
LCS 460-779768/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	779768
LCSD 460-779768/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	779768

Analysis Batch: 780109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	NJDEP EPH	779768
460-234830-2	WC-20 (10-18)	Total/NA	Solid	NJDEP EPH	779768
460-234830-3	WC-2 (0-5)	Total/NA	Solid	NJDEP EPH	779768
460-234830-6	WC-1 (0-5)	Total/NA	Solid	NJDEP EPH	779768

Leach Batch: 780242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	1311	
460-234830-2	WC-20 (10-18)	TCLP	Solid	1311	
460-234830-3	WC-2 (0-5)	TCLP	Solid	1311	
460-234830-6	WC-1 (0-5)	TCLP	Solid	1311	
LB 460-780242/1-C	Method Blank	TCLP	Solid	1311	
LB 460-780242/1-F	Method Blank	TCLP	Solid	1311	
160-42160-B-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
160-42160-C-1-D MS	Matrix Spike	TCLP	Solid	1311	

Prep Batch: 780409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	3510C	780242
460-234830-2	WC-20 (10-18)	TCLP	Solid	3510C	780242
460-234830-3	WC-2 (0-5)	TCLP	Solid	3510C	780242

GC Semi VOA (Continued)

Prep Batch: 780409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-6	WC-1 (0-5)	TCLP	Solid	3510C	780242
LB 460-780242/1-C	Method Blank	TCLP	Solid	3510C	780242
MB 460-780409/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-780409/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-780409/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
160-42160-B-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	3510C	780242
160-42160-C-1-D MS	Matrix Spike	TCLP	Solid	3510C	780242

Prep Batch: 780457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	8151A	780242
460-234830-2	WC-20 (10-18)	TCLP	Solid	8151A	780242
460-234830-3	WC-2 (0-5)	TCLP	Solid	8151A	780242
460-234830-6	WC-1 (0-5)	TCLP	Solid	8151A	780242
LB 460-780242/1-F	Method Blank	TCLP	Solid	8151A	780242
MB 460-780457/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-780457/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-780457/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 780581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	8081B	780409
460-234830-2	WC-20 (10-18)	TCLP	Solid	8081B	780409
460-234830-3	WC-2 (0-5)	TCLP	Solid	8081B	780409
460-234830-6	WC-1 (0-5)	TCLP	Solid	8081B	780409
LB 460-780242/1-C	Method Blank	TCLP	Solid	8081B	780409
MB 460-780409/1-A	Method Blank	Total/NA	Solid	8081B	780409
LCS 460-780409/2-A	Lab Control Sample	Total/NA	Solid	8081B	780409
LCSD 460-780409/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	780409
160-42160-B-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	8081B	780409
160-42160-C-1-D MS	Matrix Spike	TCLP	Solid	8081B	780409

Analysis Batch: 780638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	8151A	780457
460-234830-2	WC-20 (10-18)	TCLP	Solid	8151A	780457
460-234830-3	WC-2 (0-5)	TCLP	Solid	8151A	780457
460-234830-6	WC-1 (0-5)	TCLP	Solid	8151A	780457
LB 460-780242/1-F	Method Blank	TCLP	Solid	8151A	780457
MB 460-780457/1-A	Method Blank	Total/NA	Solid	8151A	780457
LCS 460-780457/2-A	Lab Control Sample	Total/NA	Solid	8151A	780457
LCSD 460-780457/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	780457

Metals

Prep Batch: 779077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7471B	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7471B	
MB 460-779077/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-779077/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 779077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234632-D-1-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-234632-D-1-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 779196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7471B	779077
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7471B	779077
MB 460-779077/1-A	Method Blank	Total/NA	Solid	7471B	779077
LCSSRM 460-779077/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	779077
460-234632-D-1-C MS	Matrix Spike	Total/NA	Solid	7471B	779077
460-234632-D-1-B DU	Duplicate	Total/NA	Solid	7471B	779077

Leach Batch: 779308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	1311	
LB 460-779308/1-F	Method Blank	TCLP	Solid	1311	
LB 460-779308/1-G ^5	Method Blank	TCLP	Solid	1311	
460-234622-A-6-K MS	Matrix Spike	TCLP	Solid	1311	
460-234659-5 MS	WC-28 (0-5)	TCLP	Solid	1311	
460-234622-A-6-J DU	Duplicate	TCLP	Solid	1311	
460-234659-5 DU	WC-28 (0-5)	TCLP	Solid	1311	

Prep Batch: 779475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	7470A	779308
LB 460-779308/1-F	Method Blank	TCLP	Solid	7470A	779308
MB 460-779475/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-779475/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234659-5 MS	WC-28 (0-5)	TCLP	Solid	7470A	779308
460-234659-5 DU	WC-28 (0-5)	TCLP	Solid	7470A	779308

Analysis Batch: 779500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	7470A	779475
LB 460-779308/1-F	Method Blank	TCLP	Solid	7470A	779475
MB 460-779475/1-A	Method Blank	Total/NA	Solid	7470A	779475
LCS 460-779475/2-A	Lab Control Sample	Total/NA	Solid	7470A	779475
460-234659-5 MS	WC-28 (0-5)	TCLP	Solid	7470A	779475
460-234659-5 DU	WC-28 (0-5)	TCLP	Solid	7470A	779475

Leach Batch: 779672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	1311	
LB 460-779672/1-E ^5	Method Blank	TCLP	Solid	1311	
460-234701-A-1-F MS	Matrix Spike	TCLP	Solid	1311	
460-234701-A-1-E DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 779711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	3010A	779308
LB 460-779308/1-G ^5	Method Blank	TCLP	Solid	3010A	779308

Metals (Continued)

Prep Batch: 779711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779711/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-779711/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234622-A-6-K MS	Matrix Spike	TCLP	Solid	3010A	779308
460-234622-A-6-J DU	Duplicate	TCLP	Solid	3010A	779308

Analysis Batch: 779746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	6010D	779711
LB 460-779308/1-G ^5	Method Blank	TCLP	Solid	6010D	779711
MB 460-779711/1-A	Method Blank	Total/NA	Solid	6010D	779711
LCS 460-779711/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	779711
460-234622-A-6-K MS	Matrix Spike	TCLP	Solid	6010D	779711
460-234622-A-6-J DU	Duplicate	TCLP	Solid	6010D	779711

Prep Batch: 779784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	3010A	779672
LB 460-779672/1-E ^5	Method Blank	TCLP	Solid	3010A	779672
MB 460-779784/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-779784/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234701-A-1-F MS	Matrix Spike	TCLP	Solid	3010A	779672
460-234701-A-1-E DU	Duplicate	TCLP	Solid	3010A	779672

Prep Batch: 779821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7471B	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7471B	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7471B	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7471B	
MB 460-779821/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-779821/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-233399-C-1-L MS	Matrix Spike	Total/NA	Solid	7471B	
460-233399-C-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-233399-C-1-K DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 779897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7471B	779821
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7471B	779821
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7471B	779821
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7471B	779821
MB 460-779821/1-A	Method Blank	Total/NA	Solid	7471B	779821
LCSSRM 460-779821/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	779821
460-233399-C-1-L MS	Matrix Spike	Total/NA	Solid	7471B	779821
460-233399-C-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	779821
460-233399-C-1-K DU	Duplicate	Total/NA	Solid	7471B	779821

Analysis Batch: 780184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	6010D	779784
LB 460-779672/1-E ^5	Method Blank	TCLP	Solid	6010D	779784

Metals (Continued)

Analysis Batch: 780184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-779784/1-A	Method Blank	Total/NA	Solid	6010D	779784
LCS 460-779784/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	779784
460-234701-A-1-F MS	Matrix Spike	TCLP	Solid	6010D	779784
460-234701-A-1-E DU	Duplicate	TCLP	Solid	6010D	779784

Leach Batch: 780242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	1311	
460-234830-2	WC-20 (10-18)	TCLP	Solid	1311	
460-234830-3	WC-2 (0-5)	TCLP	Solid	1311	
460-234830-6	WC-1 (0-5)	TCLP	Solid	1311	
LB 460-780242/1-E	Method Blank	TCLP	Solid	1311	
LB 460-780242/1-I ^5	Method Blank	TCLP	Solid	1311	

Leach Batch: 780243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-780243/1-H ^5	Method Blank	TCLP	Solid	1311	
460-234917-B-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-234927-A-1-F MS	Matrix Spike	TCLP	Solid	1311	
460-234917-B-1-I DU	Duplicate	TCLP	Solid	1311	
460-234927-A-1-E DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 780449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	7470A	779672
460-234830-1	WC-20 (5-10)	TCLP	Solid	7470A	780242
460-234830-2	WC-20 (10-18)	TCLP	Solid	7470A	780242
460-234830-3	WC-2 (0-5)	TCLP	Solid	7470A	780242
460-234830-6	WC-1 (0-5)	TCLP	Solid	7470A	780242
LB 460-780242/1-E	Method Blank	TCLP	Solid	7470A	780242
MB 460-780449/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-780449/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234917-B-1-J MS	Matrix Spike	TCLP	Solid	7470A	780243
460-234917-B-1-I DU	Duplicate	TCLP	Solid	7470A	780243

Analysis Batch: 780500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	7470A	780449
460-234830-1	WC-20 (5-10)	TCLP	Solid	7470A	780449
460-234830-2	WC-20 (10-18)	TCLP	Solid	7470A	780449
460-234830-3	WC-2 (0-5)	TCLP	Solid	7470A	780449
460-234830-6	WC-1 (0-5)	TCLP	Solid	7470A	780449
LB 460-780242/1-E	Method Blank	TCLP	Solid	7470A	780449
MB 460-780449/1-A	Method Blank	Total/NA	Solid	7470A	780449
LCS 460-780449/2-A	Lab Control Sample	Total/NA	Solid	7470A	780449
460-234917-B-1-J MS	Matrix Spike	TCLP	Solid	7470A	780449
460-234917-B-1-I DU	Duplicate	TCLP	Solid	7470A	780449

Prep Batch: 780591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	3010A	780242

Metals (Continued)

Prep Batch: 780591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	TCLP	Solid	3010A	780242
460-234830-3	WC-2 (0-5)	TCLP	Solid	3010A	780242
460-234830-6	WC-1 (0-5)	TCLP	Solid	3010A	780242
LB 460-780242/1-I ^5	Method Blank	TCLP	Solid	3010A	780242
LB 460-780243/1-H ^5	Method Blank	TCLP	Solid	3010A	780243
MB 460-780591/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-780591/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234927-A-1-F MS	Matrix Spike	TCLP	Solid	3010A	780243
460-234927-A-1-E DU	Duplicate	TCLP	Solid	3010A	780243

Prep Batch: 780592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3050B	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3050B	
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3050B	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3050B	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3050B	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3050B	
MB 460-780592/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-780592/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-234901-E-1-K MS	Matrix Spike	Total/NA	Solid	3050B	
460-234901-E-1-J DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 780660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	6020B	780592
460-234659-6	WC-29 (0-5)	Total/NA	Solid	6020B	780592
460-234830-1	WC-20 (5-10)	Total/NA	Solid	6020B	780592
460-234830-1	WC-20 (5-10)	Total/NA	Solid	6020B	780592
460-234830-2	WC-20 (10-18)	Total/NA	Solid	6020B	780592
460-234830-3	WC-2 (0-5)	Total/NA	Solid	6020B	780592
460-234830-6	WC-1 (0-5)	Total/NA	Solid	6020B	780592
MB 460-780592/1-A	Method Blank	Total/NA	Solid	6020B	780592
LCSSRM 460-780592/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	780592
460-234901-E-1-K MS	Matrix Spike	Total/NA	Solid	6020B	780592
460-234901-E-1-J DU	Duplicate	Total/NA	Solid	6020B	780592

Analysis Batch: 780719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	6010D	780591
460-234830-2	WC-20 (10-18)	TCLP	Solid	6010D	780591
460-234830-3	WC-2 (0-5)	TCLP	Solid	6010D	780591
460-234830-6	WC-1 (0-5)	TCLP	Solid	6010D	780591
LB 460-780242/1-I ^5	Method Blank	TCLP	Solid	6010D	780591
LB 460-780243/1-H ^5	Method Blank	TCLP	Solid	6010D	780591
MB 460-780591/1-A	Method Blank	Total/NA	Solid	6010D	780591
LCS 460-780591/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	780591
460-234927-A-1-F MS	Matrix Spike	TCLP	Solid	6010D	780591
460-234927-A-1-E DU	Duplicate	TCLP	Solid	6010D	780591

General Chemistry

Prep Batch: 130051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9071B	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9071B	
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9071B	
MB 410-130051/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-130051/2-A	Lab Control Sample	Total/NA	Solid	9071B	
180-121684-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	
180-121684-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
180-121684-D-1-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 130369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9071B	130051
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9071B	130051
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9071B	130051
MB 410-130051/1-A	Method Blank	Total/NA	Solid	9071B	130051
LCS 410-130051/2-A	Lab Control Sample	Total/NA	Solid	9071B	130051
180-121684-D-1-B MS	Matrix Spike	Total/NA	Solid	9071B	130051
180-121684-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	130051
180-121684-D-1-D DU	Duplicate	Total/NA	Solid	9071B	130051

Leach Batch: 130964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	D3987-85	
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	D3987-85	
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	D3987-85	
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	D3987-85	
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	D3987-85	
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	D3987-85	

Prep Batch: 131706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9071B	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9071B	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9071B	
MB 410-131706/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-131706/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235054-D-3-B MS	Matrix Spike	Total/NA	Solid	9071B	
460-235054-D-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
460-235054-D-3-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 132101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	1664A	130964
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	1664A	130964
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	1664A	130964
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	1664A	130964
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	1664A	130964
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	1664A	130964
MB 410-132101/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-132101/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-132101/3	Lab Control Sample Dup	Total/NA	Solid	1664A	

General Chemistry (Continued)

Analysis Batch: 132101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-41299-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 132210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9071B	131706
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9071B	131706
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9071B	131706
MB 410-131706/1-A	Method Blank	Total/NA	Solid	9071B	131706
LCS 410-131706/2-A	Lab Control Sample	Total/NA	Solid	9071B	131706
460-235054-D-3-B MS	Matrix Spike	Total/NA	Solid	9071B	131706
460-235054-D-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	131706
460-235054-D-3-D DU	Duplicate	Total/NA	Solid	9071B	131706

Prep Batch: 132221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	3060A	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	3060A	
460-234830-1	WC-20 (5-10)	Total/NA	Solid	3060A	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	3060A	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	3060A	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	3060A	
MB 410-132221/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-132221/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-132221/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233537-C-11-G MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233537-C-11-H MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233537-C-11-J DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 132298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7196A	132221
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7196A	132221
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7196A	132221
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7196A	132221
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7196A	132221
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7196A	132221
MB 410-132221/1-A	Method Blank	Total/NA	Solid	7196A	132221
LCS 410-132221/2-A	Lab Control Sample	Total/NA	Solid	7196A	132221
LCSI 410-132221/3-A	Lab Control Sample	Total/NA	Solid	7196A	132221
460-233537-C-11-G MSS	Matrix Spike	Total/NA	Solid	7196A	132221
460-233537-C-11-H MSI	Matrix Spike	Total/NA	Solid	7196A	132221
460-233537-C-11-J DU	Duplicate	Total/NA	Solid	7196A	132221

Leach Batch: 779012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234565-D-1-A MS	Matrix Spike	ASTM Leach	Solid	D3987-85	
460-234565-D-1-A MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	

General Chemistry

Analysis Batch: 779150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	SM 2540G	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-779150/1	Method Blank	Total/NA	Solid	SM 2540G	
460-234659-5 DU	WC-28 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 779177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-1	WC-20C (8-10)	Total/NA	Solid	Moisture	
460-234659-2	WC-20D (13-15)	Total/NA	Solid	Moisture	
460-234659-3	WC-29C (0-2)	Total/NA	Solid	Moisture	
460-234659-4	WC-28A (0-2)	Total/NA	Solid	Moisture	
460-234659-5	WC-28 (0-5)	Total/NA	Solid	Moisture	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	Moisture	
460-234679-E-6 DU	Duplicate	Total/NA	Solid	Moisture	

Leach Batch: 779302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	D3987-85	
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-779302/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234659-5 DU	WC-28 (0-5)	ASTM Leach	Solid	D3987-85	

Leach Batch: 779308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	TCLP	Solid	1311	

Analysis Batch: 779451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9095B	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9095B	
460-234651-E-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 779467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	1030	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	1030	
460-234565-F-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 779477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	SM 2540B	779302
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	SM 2540B	779302
LB 460-779302/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	779302
MB 460-779477/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-779477/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-779477/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-234659-5 DU	WC-28 (0-5)	ASTM Leach	Solid	SM 2540B	779302

Prep Batch: 779494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 779494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7.3.4	
MB 460-779494/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-779494/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-234565-F-1-C MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-234565-F-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 779495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7.3.3	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7.3.3	
MB 460-779495/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-779495/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-234565-F-1-F DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 779496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9034	779494
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9034	779494
MB 460-779494/1-A	Method Blank	Total/NA	Solid	9034	779494
LCSSRM 460-779494/3-A	Lab Control Sample	Total/NA	Solid	9034	779494
460-234565-F-1-C MS	Matrix Spike	Total/NA	Solid	9034	779494
460-234565-F-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	779494

Analysis Batch: 779497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9014	779495
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9014	779495
MB 460-779495/1-A	Method Blank	Total/NA	Solid	9014	779495
LCS 460-779495/2-A	Lab Control Sample	Total/NA	Solid	9014	779495
460-234565-F-1-F DU	Duplicate	Total/NA	Solid	9014	779495

Prep Batch: 779669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9012B	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9012B	
MB 460-779669/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-779669/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-234632-E-4-F MS	Matrix Spike	Total/NA	Solid	9012B	
460-234632-E-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Leach Batch: 779672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	TCLP	Solid	1311	

Leach Batch: 779790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-779790/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 779811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	4500 NH3 H	779302

General Chemistry (Continued)

Analysis Batch: 779811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	4500 NH3 H	779302
LB 460-779012/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	779012
LB 460-779302/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	779302
MB 460-779811/44	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-779811/45	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-779811/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-234565-D-1-A MS	Matrix Spike	ASTM Leach	Solid	4500 NH3 H	779012
460-234565-D-1-A MSD	Matrix Spike Duplicate	ASTM Leach	Solid	4500 NH3 H	779012

Analysis Batch: 779878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	SM 2540G	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	SM 2540G	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	SM 2540G	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-779878/1	Method Blank	Total/NA	Solid	SM 2540G	
460-234830-6 DU	WC-1 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 779899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	Moisture	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	Moisture	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	Moisture	
460-234830-4	WC-2D (3-5)	Total/NA	Solid	Moisture	
460-234830-5	WC-1A (0-2)	Total/NA	Solid	Moisture	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	Moisture	
460-234842-B-14 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 779936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9012B	779669
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9012B	779669
MB 460-779669/1-A	Method Blank	Total/NA	Solid	9012B	779669
LCSSRM 460-779669/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	779669
460-234632-E-4-F MS	Matrix Spike	Total/NA	Solid	9012B	779669
460-234632-E-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	779669

Analysis Batch: 779979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	ASTM Leach	Solid	410.4	779302
460-234659-6	WC-29 (0-5)	ASTM Leach	Solid	410.4	779302
LB 460-779302/1-A	Method Blank	ASTM Leach	Solid	410.4	779302
LB 460-779790/1-A	Method Blank	ASTM Leach	Solid	410.4	779790
MB 460-779979/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-779979/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-779979/3	Lab Control Sample	Total/NA	Solid	410.4	
460-234540-G-1 MS	Matrix Spike	Total/NA	Solid	410.4	
460-234540-G-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

General Chemistry

Leach Batch: 780000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	D3987-85	
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	D3987-85	
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	D3987-85	
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-780000/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234830-1 DU	WC-20 (5-10)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 780174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234918-1	WCR-1C (3-5)	Total/NA	Solid	Moisture	
460-234918-2	WCR-2D (1-3)	Total/NA	Solid	Moisture	
460-234859-A-11 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 780181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	SM 2540B	780000
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	SM 2540B	780000
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	SM 2540B	780000
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	SM 2540B	780000
LB 460-780000/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	780000
MB 460-780181/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-780181/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-780181/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-234830-1 DU	WC-20 (5-10)	ASTM Leach	Solid	SM 2540B	780000

Analysis Batch: 780236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	410.4	780000
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	410.4	780000
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	410.4	780000
LB 460-780000/1-A	Method Blank	ASTM Leach	Solid	410.4	780000
MB 460-780236/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-780236/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-780236/3	Lab Control Sample	Total/NA	Solid	410.4	
460-234945-G-1 MS	Matrix Spike	Total/NA	Solid	410.4	
460-234945-G-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Leach Batch: 780242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	TCLP	Solid	1311	
460-234830-2	WC-20 (10-18)	TCLP	Solid	1311	
460-234830-3	WC-2 (0-5)	TCLP	Solid	1311	
460-234830-6	WC-1 (0-5)	TCLP	Solid	1311	

Leach Batch: 780247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-780247/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-234917-B-1-D MS	Matrix Spike	ASTM Leach	Solid	D3987-85	
460-234917-B-1-D MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	

General Chemistry

Analysis Batch: 780425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	1030	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	1030	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	1030	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	1030	
460-234639-E-1 DU	Duplicate	Total/NA	Solid	1030	

Leach Batch: 780561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-780561/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 780640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9012B	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9012B	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9012B	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9012B	
MB 460-780640/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-780640/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-234842-B-21-C MS	Matrix Spike	Total/NA	Solid	9012B	
460-234842-B-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Leach Batch: 780652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Soluble	Solid	DI Leach	
460-234659-6	WC-29 (0-5)	Soluble	Solid	DI Leach	
460-234830-1	WC-20 (5-10)	Soluble	Solid	DI Leach	
460-234830-2	WC-20 (10-18)	Soluble	Solid	DI Leach	
460-234830-3	WC-2 (0-5)	Soluble	Solid	DI Leach	
460-234830-6	WC-1 (0-5)	Soluble	Solid	DI Leach	

Analysis Batch: 780653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Soluble	Solid	9040C	780652
460-234659-5	WC-28 (0-5)	TCLP	Solid	9040C	779308
460-234659-6	WC-29 (0-5)	Soluble	Solid	9040C	780652
460-234659-6	WC-29 (0-5)	TCLP	Solid	9040C	779672
460-234830-1	WC-20 (5-10)	Soluble	Solid	9040C	780652
460-234830-1	WC-20 (5-10)	TCLP	Solid	9040C	780242
460-234830-2	WC-20 (10-18)	Soluble	Solid	9040C	780652
460-234830-2	WC-20 (10-18)	TCLP	Solid	9040C	780242
460-234830-3	WC-2 (0-5)	Soluble	Solid	9040C	780652
460-234830-3	WC-2 (0-5)	TCLP	Solid	9040C	780242
460-234830-6	WC-1 (0-5)	Soluble	Solid	9040C	780652
460-234830-6	WC-1 (0-5)	TCLP	Solid	9040C	780242

Analysis Batch: 780658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	7196A	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	7196A	
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7196A	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7196A	

General Chemistry (Continued)

Analysis Batch: 780658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7196A	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7196A	

Analysis Batch: 780693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9095B	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9095B	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9095B	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9095B	
460-234956-B-2 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 780738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9012B	780640
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9012B	780640
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9012B	780640
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9012B	780640
MB 460-780640/2-A	Method Blank	Total/NA	Solid	9012B	780640
LCSSRM 460-780640/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	780640
460-234842-B-21-C MS	Matrix Spike	Total/NA	Solid	9012B	780640
460-234842-B-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	780640

Analysis Batch: 780792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234659-5	WC-28 (0-5)	Total/NA	Solid	9045D	
460-234659-6	WC-29 (0-5)	Total/NA	Solid	9045D	
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9045D	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9045D	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9045D	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9045D	
MB 460-780792/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-780792/3	Lab Control Sample	Total/NA	Solid	9045D	
460-234659-5 DU	WC-28 (0-5)	Total/NA	Solid	9045D	

Prep Batch: 780825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7.3.4	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7.3.4	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7.3.4	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7.3.4	
MB 460-780825/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-780825/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-234956-C-2-C MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-234956-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 780827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	7.3.3	
460-234830-2	WC-20 (10-18)	Total/NA	Solid	7.3.3	
460-234830-3	WC-2 (0-5)	Total/NA	Solid	7.3.3	
460-234830-6	WC-1 (0-5)	Total/NA	Solid	7.3.3	

General Chemistry (Continued)

Prep Batch: 780827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-780827/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-780827/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-234828-D-1-E DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 780828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9034	780825
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9034	780825
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9034	780825
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9034	780825
MB 460-780825/1-A	Method Blank	Total/NA	Solid	9034	780825
LCSSRM 460-780825/3-A	Lab Control Sample	Total/NA	Solid	9034	780825
460-234956-C-2-C MS	Matrix Spike	Total/NA	Solid	9034	780825
460-234956-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	780825

Analysis Batch: 780829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	Total/NA	Solid	9014	780827
460-234830-2	WC-20 (10-18)	Total/NA	Solid	9014	780827
460-234830-3	WC-2 (0-5)	Total/NA	Solid	9014	780827
460-234830-6	WC-1 (0-5)	Total/NA	Solid	9014	780827
MB 460-780827/1-A	Method Blank	Total/NA	Solid	9014	780827
LCS 460-780827/2-A	Lab Control Sample	Total/NA	Solid	9014	780827
460-234828-D-1-E DU	Duplicate	Total/NA	Solid	9014	780827

Analysis Batch: 780833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-1	WC-20 (5-10)	ASTM Leach	Solid	4500 NH3 H	780000
460-234830-3	WC-2 (0-5)	ASTM Leach	Solid	4500 NH3 H	780000
460-234830-6	WC-1 (0-5)	ASTM Leach	Solid	4500 NH3 H	780000
LB 460-780000/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	780000
LB 460-780247/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	780247
LB 460-780561/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	780561
MB 460-780833/45	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-780833/48	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-780833/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-234917-B-1-D MS	Matrix Spike	ASTM Leach	Solid	4500 NH3 H	780247
460-234917-B-1-D MSD	Matrix Spike Duplicate	ASTM Leach	Solid	4500 NH3 H	780247

Leach Batch: 781104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-235054-A-2-C MS	Matrix Spike	ASTM Leach	Solid	D3987-85	
460-235054-A-2-C MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	

Analysis Batch: 781637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	410.4	780000
MB 460-781637/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-781637/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-781637/3	Lab Control Sample	Total/NA	Solid	410.4	

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

General Chemistry

Analysis Batch: 782622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234830-2	WC-20 (10-18)	ASTM Leach	Solid	4500 NH3 H	780000
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781104
MB 460-782622/109	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-782622/110	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-782622/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-235054-A-2-C MS	Matrix Spike	ASTM Leach	Solid	4500 NH3 H	781104
460-235054-A-2-C MSD	Matrix Spike Duplicate	ASTM Leach	Solid	4500 NH3 H	781104

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20C (8-10)
Date Collected: 05/18/21 09:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779079	05/20/21 05:14	BJB	TAL EDI
TCLP	Analysis	8260D		10	779379	05/21/21 15:16	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI

Client Sample ID: WC-20C (8-10)
Date Collected: 05/18/21 09:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-1
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779052	05/19/21 21:02	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779352	05/21/21 14:29	AAT	TAL EDI

Client Sample ID: WC-20D (13-15)
Date Collected: 05/18/21 09:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779079	05/20/21 05:14	BJB	TAL EDI
TCLP	Analysis	8260D		10	779379	05/21/21 15:42	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI

Client Sample ID: WC-20D (13-15)
Date Collected: 05/18/21 09:15
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-2
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779051	05/19/21 20:58	AVM	TAL EDI
Total/NA	Analysis	8260D		50	779612	05/22/21 11:50	AAT	TAL EDI

Client Sample ID: WC-29C (0-2)
Date Collected: 05/18/21 10:40
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779079	05/20/21 05:14	BJB	TAL EDI
TCLP	Analysis	8260D		10	779379	05/21/21 16:07	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI

Client Sample ID: WC-29C (0-2)
Date Collected: 05/18/21 10:40
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-3
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779052	05/19/21 21:03	AVM	TAL EDI
Total/NA	Analysis	8260D		1	780354	05/26/21 17:38	KLB	TAL EDI

Client Sample ID: WC-28A (0-2)
Lab Sample ID: 460-234659-4
Date Collected: 05/18/21 11:20
Matrix: Solid
Date Received: 05/18/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779079	05/20/21 05:14	BJB	TAL EDI
TCLP	Analysis	8260D		10	779379	05/21/21 16:32	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI

Client Sample ID: WC-28A (0-2)
Lab Sample ID: 460-234659-4
Date Collected: 05/18/21 11:20
Matrix: Solid
Date Received: 05/18/21 17:00
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779052	05/19/21 21:04	AVM	TAL EDI
Total/NA	Analysis	8260D		1	779352	05/21/21 14:52	AAT	TAL EDI

Client Sample ID: WC-28 (0-5)
Lab Sample ID: 460-234659-5
Date Collected: 05/18/21 11:15
Matrix: Solid
Date Received: 05/18/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Prep	3510C			779450	05/21/21 11:13	DXB	TAL EDI
TCLP	Analysis	8270E		1	779514	05/22/21 02:27	YAH	TAL EDI
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Prep	3510C			779422	05/21/21 09:57	OTS	TAL EDI
TCLP	Analysis	8081B		1	779537	05/22/21 22:07	CDC	TAL EDI
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Prep	8151A			779575	05/21/21 22:06	AFR	TAL EDI
TCLP	Analysis	8151A		1	779658	05/22/21 18:23	SAK	TAL EDI
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Prep	3010A			779711	05/22/21 22:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	779746	05/23/21 19:13	CDC	TAL EDI
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Prep	7470A			779475	05/21/21 13:50	RBS	TAL EDI
TCLP	Analysis	7470A		1	779500	05/21/21 15:30	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 13:00	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779979	05/24/21 17:38	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 23:05	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:23	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI

Client Sample ID: WC-28 (0-5)

Lab Sample ID: 460-234659-5

Date Collected: 05/18/21 11:15

Matrix: Solid

Date Received: 05/18/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			780652	05/21/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			779308	05/20/21 14:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 15:54	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779451	05/21/21 11:21	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779477	05/21/21 14:00	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779150	05/20/21 08:50	PLS	TAL EDI

Client Sample ID: WC-28 (0-5)

Lab Sample ID: 460-234659-5

Date Collected: 05/18/21 11:15

Matrix: Solid

Date Received: 05/18/21 17:00

Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779297	05/20/21 19:36	GXY	TAL EDI
Total/NA	Analysis	8270E		1	779369	05/21/21 13:42	DAN	TAL EDI
Total/NA	Prep	3546			779158	05/20/21 09:19	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779238	05/21/21 00:06	FAM	TAL EDI
Total/NA	Prep	3546			779156	05/20/21 09:13	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779398	05/21/21 12:37	JHP	TAL EDI
Total/NA	Prep	8151A			779323	05/20/21 23:56	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779469	05/21/21 14:27	SAK	TAL EDI
Total/NA	Prep	3546			779188	05/20/21 10:36	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779274	05/21/21 14:27	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 11:59	MDC	TAL EDI
Total/NA	Prep	7471B			779077	05/20/21 04:43	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 10:48	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			779669	05/22/21 17:59	OXG	TAL EDI
Total/NA	Analysis	9012B		1	779936	05/24/21 14:40	HTV	TAL EDI
Total/NA	Prep	9071B			130051	05/24/21 18:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	130369	05/25/21 10:46	UYB0	ELLE

Client Sample ID: WC-29 (0-5)

Lab Sample ID: 460-234659-6

Date Collected: 05/18/21 12:00

Matrix: Solid

Date Received: 05/18/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779723	05/23/21 07:25	DXD	TAL EDI
TCLP	Analysis	8270E		1	779773	05/23/21 21:35	YAH	TAL EDI

Client Sample ID: WC-29 (0-5)

Lab Sample ID: 460-234659-6

Date Collected: 05/18/21 12:00

Matrix: Solid

Date Received: 05/18/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			779780	05/23/21 15:43	ATF	TAL EDI
TCLP	Analysis	8081B		1	779843	05/24/21 10:05	SAK	TAL EDI
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			779809	05/23/21 22:17	AFR	TAL EDI
TCLP	Analysis	8151A		1	779838	05/24/21 11:39	SAK	TAL EDI
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			779784	05/23/21 15:50	GAE	TAL EDI
TCLP	Analysis	6010D		5	780184	05/25/21 12:45	CDC	TAL EDI
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			780449	05/26/21 13:39	RBS	TAL EDI
TCLP	Analysis	7470A		1	780500	05/26/21 15:44	RBS	TAL EDI
Total/NA	Analysis	1030		1	779467	05/21/21 13:00	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	779979	05/24/21 17:38	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	779811	05/23/21 23:07	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			779495	05/21/21 16:25	YAH	TAL EDI
Total/NA	Analysis	9014		1	779497	05/21/21 16:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			779494	05/21/21 16:17	YAH	TAL EDI
Total/NA	Analysis	9034		1	779496	05/21/21 16:29	YAH	TAL EDI
Soluble	Leach	DI Leach			780652	05/22/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			779672	05/22/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 16:00	YAH	TAL EDI
Total/NA	Analysis	9095B		1	779451	05/21/21 11:21	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	779177	05/20/21 10:18	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			779302	05/20/21 14:15	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	779477	05/21/21 14:00	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779150	05/20/21 08:50	PLS	TAL EDI

Client Sample ID: WC-29 (0-5)

Lab Sample ID: 460-234659-6

Date Collected: 05/18/21 12:00

Matrix: Solid

Date Received: 05/18/21 17:00

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779297	05/20/21 19:36	GXY	TAL EDI
Total/NA	Analysis	8270E		1	779369	05/21/21 14:04	DAN	TAL EDI
Total/NA	Prep	3546			779158	05/20/21 09:19	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779238	05/21/21 00:20	FAM	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-29 (0-5)

Date Collected: 05/18/21 12:00
Date Received: 05/18/21 17:00

Lab Sample ID: 460-234659-6

Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779156	05/20/21 09:13	ZXB	TAL EDI
Total/NA	Analysis	8082A		2	779398	05/21/21 16:22	JHP	TAL EDI
Total/NA	Prep	8151A			779323	05/20/21 23:56	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779469	05/21/21 14:40	SAK	TAL EDI
Total/NA	Prep	3546			779188	05/20/21 10:36	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	779274	05/21/21 14:10	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 12:09	MDC	TAL EDI
Total/NA	Prep	7471B			779077	05/20/21 04:43	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779196	05/20/21 10:15	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			779669	05/22/21 17:59	OXG	TAL EDI
Total/NA	Analysis	9012B		1	779936	05/24/21 14:41	HTV	TAL EDI
Total/NA	Prep	9071B			130051	05/24/21 18:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	130369	05/25/21 10:46	UYB0	ELLE

Client Sample ID: WC-20 (5-10)

Date Collected: 05/20/21 08:00
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780407	05/26/21 10:01	OTS	TAL EDI
TCLP	Analysis	8270E		1	780504	05/26/21 23:26	MME	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780409	05/26/21 10:10	OTS	TAL EDI
TCLP	Analysis	8081B		1	780581	05/27/21 05:37	FAM	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			780457	05/26/21 14:26	ATF	TAL EDI
TCLP	Analysis	8151A		1	780638	05/27/21 08:27	SAK	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			780591	05/27/21 03:28	GMC	TAL EDI
TCLP	Analysis	6010D		5	780719	05/27/21 15:40	CDC	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			780449	05/26/21 13:39	RBS	TAL EDI
TCLP	Analysis	7470A		1	780500	05/26/21 15:46	RBS	TAL EDI
Total/NA	Analysis	1030		1	780425	05/26/21 12:07	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	780236	05/25/21 17:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	780833	05/27/21 19:45	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20 (5-10)

Lab Sample ID: 460-234830-1

Date Collected: 05/20/21 08:00

Matrix: Solid

Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.3			780827	05/27/21 19:46	YAH	TAL EDI
Total/NA	Analysis	9014		1	780829	05/27/21 19:53	YAH	TAL EDI
Total/NA	Prep	7.3.4			780825	05/27/21 19:39	YAH	TAL EDI
Total/NA	Analysis	9034		1	780828	05/27/21 19:50	YAH	TAL EDI
Soluble	Leach	DI Leach			780652	05/25/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 16:06	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780693	05/27/21 10:15	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	780181	05/25/21 14:13	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779878	05/24/21 09:45	PLS	TAL EDI

Client Sample ID: WC-20 (5-10)

Lab Sample ID: 460-234830-1

Date Collected: 05/20/21 08:00

Matrix: Solid

Date Received: 05/20/21 19:00

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779556	05/21/21 19:22	ARA	TAL EDI
Total/NA	Analysis	8270E		1	779695	05/23/21 03:29	YAH	TAL EDI
Total/NA	Prep	3546			779645	05/22/21 13:53	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779541	05/23/21 02:04	SAK	TAL EDI
Total/NA	Prep	3546			779644	05/22/21 13:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779535	05/23/21 03:20	DXB	TAL EDI
Total/NA	Prep	8151A			779576	05/21/21 22:08	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779657	05/22/21 17:42	SAK	TAL EDI
Total/NA	Prep	3546			779768	05/23/21 14:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		5	780109	05/25/21 14:13	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 12:11	MDC	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		5	780660	05/27/21 12:28	MDC	TAL EDI
Total/NA	Prep	7471B			779821	05/24/21 04:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779897	05/24/21 09:55	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780640	05/27/21 08:06	IAA	TAL EDI
Total/NA	Analysis	9012B		1	780738	05/27/21 12:36	HTV	TAL EDI
Total/NA	Prep	9071B			130051	05/24/21 18:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	130369	05/25/21 10:46	UYB0	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-20 (10-18)

Date Collected: 05/20/21 08:05
Date Received: 05/20/21 19:00

Lab Sample ID: 460-234830-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780407	05/26/21 10:01	OTS	TAL EDI
TCLP	Analysis	8270E		1	780504	05/26/21 23:47	MME	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780409	05/26/21 10:10	OTS	TAL EDI
TCLP	Analysis	8081B		1	780581	05/27/21 05:50	FAM	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			780457	05/26/21 14:26	ATF	TAL EDI
TCLP	Analysis	8151A		1	780638	05/27/21 08:40	SAK	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			780591	05/27/21 03:28	GMC	TAL EDI
TCLP	Analysis	6010D		5	780719	05/27/21 15:44	CDC	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			780449	05/26/21 13:39	RBS	TAL EDI
TCLP	Analysis	7470A		1	780500	05/26/21 15:48	RBS	TAL EDI
Total/NA	Analysis	1030		1	780425	05/26/21 12:07	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 18:31	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			780827	05/27/21 19:46	YAH	TAL EDI
Total/NA	Analysis	9014		1	780829	05/27/21 19:53	YAH	TAL EDI
Total/NA	Prep	7.3.4			780825	05/27/21 19:39	YAH	TAL EDI
Total/NA	Analysis	9034		1	780828	05/27/21 19:50	YAH	TAL EDI
Soluble	Leach	DI Leach			780652	05/25/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 16:09	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780693	05/27/21 10:15	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	780181	05/25/21 14:13	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779878	05/24/21 09:45	PLS	TAL EDI

Client Sample ID: WC-20 (10-18)

Lab Sample ID: 460-234830-2

Date Collected: 05/20/21 08:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779556	05/21/21 19:22	ARA	TAL EDI
Total/NA	Analysis	8270E		1	779695	05/23/21 03:47	YAH	TAL EDI
Total/NA	Prep	3546			779645	05/22/21 13:53	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779541	05/23/21 01:48	SAK	TAL EDI
Total/NA	Prep	3546			779644	05/22/21 13:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779535	05/23/21 03:40	DXB	TAL EDI
Total/NA	Prep	8151A			779576	05/21/21 22:08	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779657	05/22/21 17:55	SAK	TAL EDI
Total/NA	Prep	3546			779768	05/23/21 14:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		20	780109	05/25/21 14:27	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 12:13	MDC	TAL EDI
Total/NA	Prep	7471B			779821	05/24/21 04:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779897	05/24/21 09:57	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780640	05/27/21 08:06	IAA	TAL EDI
Total/NA	Analysis	9012B		1	780738	05/27/21 12:36	HTV	TAL EDI
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WC-2 (0-5)

Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10
Matrix: Solid
Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780407	05/26/21 10:01	OTS	TAL EDI
TCLP	Analysis	8270E		1	780504	05/27/21 00:08	MME	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780409	05/26/21 10:10	OTS	TAL EDI
TCLP	Analysis	8081B		1	780581	05/27/21 06:02	FAM	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			780457	05/26/21 14:26	ATF	TAL EDI
TCLP	Analysis	8151A		1	780638	05/27/21 08:54	SAK	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			780591	05/27/21 03:28	GMC	TAL EDI
TCLP	Analysis	6010D		5	780719	05/27/21 15:49	CDC	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			780449	05/26/21 13:39	RBS	TAL EDI
TCLP	Analysis	7470A		1	780500	05/26/21 15:50	RBS	TAL EDI
Total/NA	Analysis	1030		1	780425	05/26/21 12:07	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE

Client Sample ID: WC-2 (0-5)

Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10

Matrix: Solid

Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	780236	05/25/21 17:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	780833	05/27/21 19:47	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			780827	05/27/21 19:46	YAH	TAL EDI
Total/NA	Analysis	9014		1	780829	05/27/21 19:53	YAH	TAL EDI
Total/NA	Prep	7.3.4			780825	05/27/21 19:39	YAH	TAL EDI
Total/NA	Analysis	9034		1	780828	05/27/21 19:50	YAH	TAL EDI
Soluble	Leach	DI Leach			780652	05/25/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 16:11	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780693	05/27/21 10:20	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	780181	05/25/21 14:13	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779878	05/24/21 09:45	PLS	TAL EDI

Client Sample ID: WC-2 (0-5)

Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10

Matrix: Solid

Date Received: 05/20/21 19:00

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779556	05/21/21 19:22	ARA	TAL EDI
Total/NA	Analysis	8270E		1	779695	05/23/21 04:04	YAH	TAL EDI
Total/NA	Prep	3546			779645	05/22/21 13:53	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779541	05/23/21 01:33	SAK	TAL EDI
Total/NA	Prep	3546			779644	05/22/21 13:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779535	05/23/21 04:02	DXB	TAL EDI
Total/NA	Prep	8151A			779576	05/21/21 22:08	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779657	05/22/21 18:09	SAK	TAL EDI
Total/NA	Prep	3546			779768	05/23/21 14:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		5	780109	05/25/21 14:41	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 12:15	MDC	TAL EDI
Total/NA	Prep	7471B			779821	05/24/21 04:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779897	05/24/21 10:03	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780640	05/27/21 08:06	IAA	TAL EDI
Total/NA	Analysis	9012B		1	780738	05/27/21 12:37	HTV	TAL EDI

Client Sample ID: WC-2 (0-5)
Lab Sample ID: 460-234830-3

Date Collected: 05/20/21 09:10
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WC-2D (3-5)
Lab Sample ID: 460-234830-4

Date Collected: 05/20/21 09:05
Matrix: Solid
Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779769	05/23/21 15:04	BJB	TAL EDI
TCLP	Analysis	8260D		10	780318	05/26/21 13:41	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI

Client Sample ID: WC-2D (3-5)
Lab Sample ID: 460-234830-4

Date Collected: 05/20/21 09:05
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779489	05/21/21 14:57	YXG	TAL EDI
Total/NA	Analysis	8260D		1	780468	05/23/21 11:25	AAT	TAL EDI

Client Sample ID: WC-1A (0-2)
Lab Sample ID: 460-234830-5

Date Collected: 05/20/21 09:25
Matrix: Solid
Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			779769	05/23/21 15:04	BJB	TAL EDI
TCLP	Analysis	8260D		10	780318	05/26/21 14:07	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI

Client Sample ID: WC-1A (0-2)
Lab Sample ID: 460-234830-5

Date Collected: 05/20/21 09:25
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779489	05/21/21 15:00	YXG	TAL EDI
Total/NA	Analysis	8260D		1	780468	05/23/21 11:49	AAT	TAL EDI

Client Sample ID: WC-1 (0-5)
Lab Sample ID: 460-234830-6

Date Collected: 05/20/21 09:30
Matrix: Solid
Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780407	05/26/21 10:01	OTS	TAL EDI
TCLP	Analysis	8270E		1	780504	05/27/21 00:30	MME	TAL EDI

Client Sample ID: WC-1 (0-5)

Lab Sample ID: 460-234830-6

Date Collected: 05/20/21 09:30

Matrix: Solid

Date Received: 05/20/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			780409	05/26/21 10:10	OTS	TAL EDI
TCLP	Analysis	8081B		1	780581	05/27/21 06:14	FAM	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			780457	05/26/21 14:26	ATF	TAL EDI
TCLP	Analysis	8151A		1	780638	05/27/21 09:08	SAK	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			780591	05/27/21 03:28	GMC	TAL EDI
TCLP	Analysis	6010D		5	780719	05/27/21 15:53	CDC	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			780449	05/26/21 13:39	RBS	TAL EDI
TCLP	Analysis	7470A		1	780500	05/26/21 15:51	RBS	TAL EDI
Total/NA	Analysis	1030		1	780425	05/26/21 12:07	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			130964	05/26/21 14:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	132101	05/28/21 15:59	QT6L	ELLE
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	410.4		1	780236	05/25/21 17:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	780833	05/27/21 19:48	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			780827	05/27/21 19:46	YAH	TAL EDI
Total/NA	Analysis	9014		1	780829	05/27/21 19:53	YAH	TAL EDI
Total/NA	Prep	7.3.4			780825	05/27/21 19:39	YAH	TAL EDI
Total/NA	Analysis	9034		1	780828	05/27/21 19:50	YAH	TAL EDI
Soluble	Leach	DI Leach			780652	05/25/21 08:26	YAH	TAL EDI
Soluble	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
TCLP	Leach	1311			780242	05/25/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	780653	05/27/21 08:28	YAH	TAL EDI
Total/NA	Analysis	9045D		1	780792	05/27/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780693	05/27/21 10:20	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	779899	05/24/21 11:11	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			780000	05/24/21 19:52	YAH	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	780181	05/25/21 14:13	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	779878	05/24/21 09:45	PLS	TAL EDI

Client Sample ID: WC-1 (0-5)

Lab Sample ID: 460-234830-6

Date Collected: 05/20/21 09:30

Matrix: Solid

Date Received: 05/20/21 19:00

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779556	05/21/21 19:22	ARA	TAL EDI
Total/NA	Analysis	8270E		1	779695	05/23/21 04:21	YAH	TAL EDI
Total/NA	Prep	3546			779645	05/22/21 13:53	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	779541	05/23/21 01:17	SAK	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WC-1 (0-5)

Lab Sample ID: 460-234830-6
Date Collected: 05/20/21 09:30
Matrix: Solid
Date Received: 05/20/21 19:00
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			779644	05/22/21 13:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	779535	05/23/21 04:24	DXB	TAL EDI
Total/NA	Prep	8151A			779576	05/21/21 22:08	AFR	TAL EDI
Total/NA	Analysis	8151A		1	779657	05/22/21 18:23	SAK	TAL EDI
Total/NA	Prep	3546			779768	05/23/21 14:33	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		5	780109	05/25/21 14:59	KMH	TAL EDI
Total/NA	Prep	3050B			780592	05/27/21 03:42	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780660	05/27/21 12:18	MDC	TAL EDI
Total/NA	Prep	7471B			779821	05/24/21 04:32	TJS	TAL EDI
Total/NA	Analysis	7471B		1	779897	05/24/21 10:05	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780640	05/27/21 08:06	IAA	TAL EDI
Total/NA	Analysis	9012B		1	780738	05/27/21 12:38	HTV	TAL EDI
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WCR-1C (3-5)

Lab Sample ID: 460-234918-1
Date Collected: 05/21/21 11:00
Matrix: Solid
Date Received: 05/21/21 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780328	05/26/21 06:40	BJB	TAL EDI
TCLP	Analysis	8260D		10	780648	05/27/21 14:06	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780174	05/25/21 13:12	MMC	TAL EDI

Client Sample ID: WCR-1C (3-5)

Lab Sample ID: 460-234918-1
Date Collected: 05/21/21 11:00
Matrix: Solid
Date Received: 05/21/21 19:30
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779637	05/22/21 13:29	YXG	TAL EDI
Total/NA	Analysis	8260D		1	780432	05/24/21 22:11	VBP	TAL EDI

Client Sample ID: WCR-2D (1-3)

Lab Sample ID: 460-234918-2
Date Collected: 05/21/21 09:00
Matrix: Solid
Date Received: 05/21/21 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780328	05/26/21 06:40	BJB	TAL EDI
TCLP	Analysis	8260D		10	780648	05/27/21 14:32	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780174	05/25/21 13:12	MMC	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Client Sample ID: WCR-2D (1-3)

Date Collected: 05/21/21 09:00
Date Received: 05/21/21 19:30

Lab Sample ID: 460-234918-2

Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			779637	05/22/21 13:31	YXG	TAL EDI
Total/NA	Analysis	8260D		1	780432	05/24/21 22:35	VBP	TAL EDI

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-234659-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-234659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-234659-1	WC-20C (8-10)	Solid	05/18/21 09:00	05/18/21 17:00
460-234659-2	WC-20D (13-15)	Solid	05/18/21 09:15	05/18/21 17:00
460-234659-3	WC-29C (0-2)	Solid	05/18/21 10:40	05/18/21 17:00
460-234659-4	WC-28A (0-2)	Solid	05/18/21 11:20	05/18/21 17:00
460-234659-5	WC-28 (0-5)	Solid	05/18/21 11:15	05/18/21 17:00
460-234659-6	WC-29 (0-5)	Solid	05/18/21 12:00	05/18/21 17:00
460-234830-1	WC-20 (5-10)	Solid	05/20/21 08:00	05/20/21 19:00
460-234830-2	WC-20 (10-18)	Solid	05/20/21 08:05	05/20/21 19:00
460-234830-3	WC-2 (0-5)	Solid	05/20/21 09:10	05/20/21 19:00
460-234830-4	WC-2D (3-5)	Solid	05/20/21 09:05	05/20/21 19:00
460-234830-5	WC-1A (0-2)	Solid	05/20/21 09:25	05/20/21 19:00
460-234830-6	WC-1 (0-5)	Solid	05/20/21 09:30	05/20/21 19:00
460-234918-1	WCR-1C (3-5)	Solid	05/21/21 11:00	05/21/21 19:30
460-234918-2	WCR-2D (1-3)	Solid	05/21/21 09:00	05/21/21 19:30

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234659
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn A
D - Nit
E - Na
F - Me
G - Am
H - Asc
I - Ice
J - DI Water
K - EDTA
Hexane
Decahydrate
SAA
W - pH 4-5

SHORT HOLD

460-234659 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WC-20C (8-10)	5-18-21	0900	G	Solid			X												4	i
WC-20D (13-15)		0915	G	Solid			X												4	2
WC-29C (0-2)		1040	G	Solid			X												4	3
WC-28A (0-2)		1120	G	Solid			X												4	4
WC-28 (0-5)		1115	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	5
WC-29 (0-5)		1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	6
[redacted]				Solid															8	FD Sample
				Solid																
				Solid																
				Solid																
				Solid																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SD Green

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	5-18-21, 15:15	ROUX	[signature]	05/18/21 15:15	TA NYC
[signature]	05/18/21 17:00	TA NYC	[signature]	5/18/21 1700	[illegible]
[signature]	5/18/21 1700	[illegible]	[signature]	5/18/21 1700	TAL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2S 20 IRC

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234659

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 °C	1.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] Date: 5/1/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 234830
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - Di Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease, ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	N	N	N	N	N	N	N	N		
WC-20 (5-10)	5-20-21	0800	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	1
WC-20 (10-18)		0805	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	2
WC-2 (0-5)		0910	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	3
WC-20 (3-5)		0905	G	Solid			X													4	4
WC-14 (0-2)		0925	G	Solid			X													4	6
WC-1 (0-5)		0930	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	6
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

SHORT HOLD

460-234830 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if s
☐ Return To Client ☑ Disposal By L

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-20-21, 15:15	ROUX		05/20/21 15:15	TA NYC
2		05/20/21 17:00	TA NYC		5/20/21 1600	
3		5/21 1900			5/20/21 1900	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 234830

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	25 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] **Date:** 8 2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #:
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other: 234918

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	8012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	N	N	N	N	N	N	N	N	N	N	
WCR-2C (3-5)	5-21-21	1100	G	Solid			X												4	1
WCR-2D (1-3)	5-21-21	0900	G	Solid			X												4	2
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

460-234918 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ M

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Close SDG

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-21-21, 14:30	ROUX		5/21/21 15	
2		5/21/21 1830			5/21/21 1650	
3		01/21/21 1930			5/21/21 1930	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 / 2.5 IR

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 234918

Number of Coolers: 1 IR Gun #: 9

Cooler Temperatures

	IR	Thermometer
Cooler #1:	2.2 °C	2.4 °C
Cooler #2:	°C	°C
Cooler #3:	°C	°C
Cooler #4:	°C	°C
Cooler #5:	°C	°C
Cooler #6:	°C	°C
Cooler #7:	°C	°C
Cooler #8:	°C	°C
Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 8/24/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61622.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234659-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/24/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	7196A/3060A Hexavalent Chromium - 7196	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WC-28 (0-5) (460-234659-5)	5/18/21	11:15 Eastern		Solid			X	X	X	1	
WC-29 (0-5) (460-234659-6)	5/18/21	12:00 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		5/20/21 15:40	~~EAL~~	Brad Bragg	5/20/21 15:40	ECL
2	Brad Bragg	5/20/21 1840	ECL			
3					5/20/21 1855	ECL

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61638.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-234830-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/26/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WC-20 (5-10) (460-234830-1)	5/20/21	08:00 Eastern		Solid			X	X	X	1	
WC-20 (10-18) (460-234830-2)	5/20/21	08:05 Eastern		Solid			X	X	X	1	
WC-2 (0-5) (460-234830-3)	5/20/21	09:10 Eastern		Solid			X	X	X	1	
WC-1 (0-5) (460-234830-6)	5/20/21	09:30 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/21/21 16:35	ETHEL	B. Bgl	5/21/21 16:35	ELLE
2	B. Bgl	5/21/21 19:42	ELLE			
3					5/21/21 1947	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.7

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234659-1

Login Number: 234659
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234659-1

Login Number: 234659
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/20/21 09:09 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234659-1

Login Number: 234830
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234659-1

Login Number: 234830
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/21/21 09:20 PM

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

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-234659-1

Login Number: 234918
List Number: 1
Creator: Hall, Alonzo

List Source: Eurofins TestAmerica, Edison

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

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-235054-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 5:57:33 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

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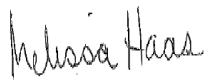
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 5:57:33 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-235054-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-235054-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/24/2021 5:00 PM, 5/26/2021 6:00 PM, 5/27/2021 7:00 PM and 5/28/2021 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.5º C, 1.5º C, 2.0º C, 2.0º C and 2.9º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS

Samples WCR-5C (5-7) (460-235271-2), WCR-10D (6-8) (460-235434-2), WCR-8C (5-7) (460-235363-3), WCR-9D (5-7) (460-235363-4), WCR-11A (5-7) (460-235434-4), WCR-4D (5-7) (460-235054-5), WCR-7B (6-8) (460-235271-5), WCR-3C (5-7) (460-235054-6), WCR-12A (5-7) (460-235434-6) and WCR-6B (5-7) (460-235054-7) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 05/27/2021, 05/28/2021, 06/02/2021 and 06/03/2021 and analyzed on 05/28/2021, 05/29/2021 and 06/04/2021.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-780934 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-780934 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-781159 recovered above the upper control limit for 1,1-Dichloroethene and Trichloroethylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-781159 recovered outside control limits for Methyl Ethyl Ketone. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Job ID: 460-235054-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The continuing calibration verification (CCV) analyzed in batch 460-781155 was outside the method criteria for the following analyte(s): 1,1-Dichloroethene (biased low) and 1,2-Dichloroethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-781155 recovered outside control limits for the following analyte: 1,2-Dichloroethane . This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No otther difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-5C (5-7) (460-235271-2), WCR-10D (6-8) (460-235434-2), WCR-8C (5-7) (460-235363-3), WCR-9D (5-7) (460-235363-4), WCR-11A (5-7) (460-235434-4), WCR-4D (5-7) (460-235054-5), WCR-7B (6-8) (460-235271-5), WCR-3C (5-7) (460-235054-6), WCR-12A (5-7) (460-235434-6) and WCR-6B (5-7) (460-235054-7) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 05/25/2021, 05/27/2021, 05/28/2021 and 05/30/2021 and analyzed on 05/26/2021, 05/29/2021 and 06/02/2021.

Internal standard (ISTD) response for TBA-d9 and 1,4-Dioxane-d8 for the following sample were outside acceptance criteria: WCR-5C (5-7) (460-235271-2). These ISTDs do not correspond to any of the requested target compounds; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-781741 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-781753 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-781145 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 05/26/2021, 05/28/2021, 06/01/2021 and 06/02/2021, prepared on 05/27/2021, 05/29/2021, 06/02/2021 and 06/03/2021 and analyzed on 05/28/2021, 06/01/2021, 06/03/2021 and 06/04/2021.

The closing continuing calibration verification (CCVC) associated with batch 460-780899 recovered above the upper control limit for 2,4-D and 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the TCLP herbicides analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2

Job ID: 460-235054-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

(460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 05/26/2021, 05/28/2021, 06/01/2021 and 06/02/2021, prepared on 05/27/2021, 05/29/2021, 06/02/2021 and 06/03/2021 and analyzed on 05/28/2021, 05/30/2021, 05/31/2021, 06/03/2021 and 06/04/2021.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 05/25/2021, 05/27/2021, 05/28/2021 and 05/30/2021 and analyzed on 05/26/2021, 05/28/2021, 05/31/2021 and 06/02/2021.

The laboratory control sample duplicate (LCSD) for preparation batch 460-780250 and analytical batch 460-780217 recovered outside control limits for the following analytes: Indeno[1,2,3-cd]pyrene and Dibenz(a,h)anthracene. The LCS recovery was within limits; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-780217 was outside the method criteria for the following analyte(s): 1,4-Dioxane, Indeno[1,2,3-cd]pyrene, 2,2'-oxybis[1-chloropropane], Pyrene, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: WCR-1 (460-235054-1) and WCR-3 (460-235054-3). These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-780920 was outside the method criteria for the following analyte(s): 4-Nitrophenol, 2,2'-oxybis[1-chloropropane] and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-781108 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-781150 and analytical batch 460-781240 recovered outside control limits for the following analytes: Pyridine.

The continuing calibration verification (CCV) analyzed in batch 460-781376 was outside the method criteria for the following analyte(s): Pentachlorophenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-781326 and analytical batch 460-781376 recovered outside control limits for the following analytes: 4-Chloroaniline.

The continuing calibration verification (CCV) analyzed in batch 460-781379 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered

Job ID: 460-235054-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

estimated.

The following sample was diluted due to the nature of the sample matrix: WCR-9 (0-8) (460-235363-2). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) analyzed in batch 460-781572 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Dibenz(a,h)anthracene failed the recovery criteria high for the MS of sample 460-234863-1 in batch 460-780217.

4,6-Dinitro-2-methylphenol, Caprolactam, Hexachlorocyclopentadiene and Phenol failed the recovery criteria low for the MS of sample 460-234999-4 in batch 460-780920.

4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene failed the recovery criteria low for the MSD of sample 460-234999-4 in batch 460-780920.

Several analytes failed the recovery criteria low for the MS of sample 460-235318-1 in batch 460-781376.

Several analytes failed the recovery criteria low for the MSD of sample 460-235318-1 in batch 460-781376.

Caprolactam failed the recovery criteria low for the MSD of sample 460-235378-1 in batch 460-781108. Caprolactam exceeded the RPD limit.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 05/26/2021, 05/28/2021, 06/01/2021 and 06/02/2021, prepared on 05/27/2021, 05/29/2021, 06/02/2021 and 06/03/2021 and analyzed on 05/28/2021, 06/01/2021, 06/03/2021 and 06/04/2021.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 05/25/2021, 05/28/2021 and 05/30/2021 and analyzed on 05/26/2021, 05/31/2021 and 06/01/2021.

The continuing calibration verification (CCV) associated with batch 460-781398 recovered above the upper control limit for Endosulfan I on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-781398/3).

The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: WCR-10 (0-8) (460-235434-1), WCR-11 (0-8) (460-235434-3) and WCR-12 (0-8) (460-235434-5). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

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No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/25/2021, 05/28/2021 and 05/30/2021 and analyzed on 05/26/2021, 05/31/2021 and 06/01/2021.

The continuing calibration verification (CCVIS) for Decachlorobiphenyl surrogate recovered outside the lower control limit on the secondary column but within control limits on the primary column. The data have been qualified and reported. (CCVIS 460-781469/1)

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 05/26/2021, 05/27/2021, 05/28/2021 and 06/03/2021 and analyzed on 05/27/2021, 05/28/2021, 05/31/2021 and 06/04/2021.

The closing continuing calibration verification (CCVC) associated with batch 460-780898 recovered above the upper control limit for 2,4-D and 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-781404 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-781957 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-782191 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 05/25/2021, 05/30/2021 and 06/01/2021 and analyzed on 05/26/2021, 06/01/2021, 06/02/2021 and 06/03/2021.

1-Chlorooctadecane surrogate recovery for the following LCS/LCSD was outside control limits (biased high); o-Terphenyl surrogate recovery is within the control limits: (LCS 460-781347/2-A) and (LCSD 460-781347/3-A). Therefore, re-extraction and/or re-analysis was not performed.

1-Chlorooctadecane surrogate recovery for the following sample was outside control limits (biased high) ; o-Terphenyl surrogate recovery is within the control limits: WCR-5 (0-8) (460-235271-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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Laboratory: Eurofins TestAmerica, Edison (Continued)

1-Chlorooctadecane surrogate recovery for the following LCS/LCSD was outside control limits (biased high); o-Terphenyl surrogate recovery is within the control limits: (LCS 460-780241/2-A) and (LCSD 460-780241/3-A). Therefore, re-extraction and/or re-analysis was not performed.

1-Chlorooctadecane surrogate recovery for the following LCS/LCSD was outside control limits (biased high); o-Terphenyl surrogate recovery is within the control limits: (LCS 460-781499/2-A) and (LCSD 460-781499/3-A). Therefore, re-extraction and/or re-analysis was not performed.

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 05/26/2021, 05/28/2021, 06/01/2021 and 06/02/2021, prepared on 05/27/2021, 06/01/2021 and 06/04/2021 and analyzed on 05/28/2021, 06/01/2021 and 06/04/2021.

Selenium failed the recovery criteria high for the MS of sample 460-235378-1 in batch 460-782288.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared and analyzed on 05/28/2021, 06/03/2021 and 06/04/2021.

Several analytes failed the recovery criteria high for the MS of sample 460-234557-1 in batch 460-781996.

Several analytes failed the recovery criteria low for the MS of sample WCR-1MS (460-235054-1) in batch 460-780946. Aluminum failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample WCR-6 (0-8)MS (460-235271-3) in batch 460-782250. Aluminum, Calcium, Iron and Magnesium failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample WCR-12 (0-8)MS (460-235434-5) in batch 460-782250. Aluminum and Lead failed the recovery criteria high.

Several analytes exceeded the RPD limit for the duplicate of sample 460-234557-1. Copper, Manganese and Vanadium exceeded the RPD limit for the duplicate of sample WCR-1DU (460-235054-1). for the duplicate of sample WCR-6 (0-8)DU (460-235271-3). for the duplicate of sample WCR-12 (0-8)DU (460-235434-5).

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for hexavalent chromium in

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accordance with EPA SW-846 Method 7196A. The samples were prepared on 05/29/2021 and 06/07/2021 and analyzed on 05/30/2021 and 06/08/2021.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY
Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/26/2021, 05/28/2021, 06/01/2021 and 06/02/2021, and prepared and analyzed on 05/27/2021, 06/01/2021 and 06/03/2021.

Mercury was detected in method blank LB 460-781595/1-D at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/28/2021, 06/02/2021 and 06/04/2021.

Mercury failed the recovery criteria high for the MSD of sample 460-234186-1 in batch 460-780960.

Mercury failed the recovery criteria high for the MS of sample 460-234186-1 in batch 460-780960.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY
Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/28/2021, 05/30/2021 and 06/02/2021.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)
Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were leached on 06/03/2021, 06/09/2021, 06/10/2021 and 06/11/2021 and analyzed on 06/09/2021, 06/11/2021 and 06/14/2021.

No difficulties were encountered during the SGT-HEM/HEM analysis.

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Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

TOTAL VOLATILE SOLIDS

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for total volatile solids in accordance with SM 2540G. The samples were analyzed on 05/26/2021, 05/28/2021 and 06/01/2021.

Total Solids was detected in method blank MB 460-780339/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Total Solids was detected in method blank MB 460-780970/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Total Solids was detected in method blank MB 460-781484/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Total Volatile Solids exceeded the RPD limit for the duplicate of sample WCR-6 (0-8)DU (460-235271-3).

No other difficulties were encountered during the TVS analysis.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND, ASTM

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for chemical oxygen demand, ASTM in accordance with EPA Method 410.4 (ASTM Leach D3987-85). The samples were leached on 05/28/2021, 05/31/2021 and 06/01/2021 and analyzed on 06/01/2021 and 06/04/2021.

No difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 06/01/2021, 06/04/2021 and 06/08/2021.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 05/27/2021, 05/28/2021, 05/30/2021 and 06/04/2021 and analyzed on 05/27/2021, 05/29/2021, 06/01/2021 and 06/04/2021.

Cyanide, Total failed the recovery criteria high for the MS of sample WCR-1MS (460-235054-1) in batch 460-780831.

Cyanide, Total failed the recovery criteria high for the MSD of sample WCR-1MSD (460-235054-1) in batch 460-780831.

Cyanide, Total failed the recovery criteria low for the MS of sample 460-235137-1 in batch 460-781209.

Cyanide, Total exceeded the RPD limit for the MSD of sample 460-235137-1 in batch 460-781209.

Job ID: 460-235054-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Cyanide, Total failed the recovery criteria high for the MS of sample 460-235503-88 in batch 460-781524.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-235503-88 in batch 460-781524.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 05/28/2021, 06/03/2021 and 06/04/2021.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and WCR-12 (0-8) (460-235434-5) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 05/28/2021, 06/03/2021 and 06/04/2021.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

PH

Samples WCR-1 (460-235054-1), WCR-5 (0-8) (460-235271-1), WCR-8 (0-8) (460-235363-1), WCR-10 (0-8) (460-235434-1), WCR-2 (460-235054-2), WCR-9 (0-8) (460-235363-2), WCR-3 (460-235054-3), WCR-6 (0-8) (460-235271-3), WCR-11 (0-8) (460-235434-3), WCR-4 (460-235054-4), WCR-7 (0-8) (460-235271-4) and

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-1
Lab Sample ID: 460-235054-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.017	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.022	J	0.37	0.0038	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.18		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.22		0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.27		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.16	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.11		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.34	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.18	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.047	*	0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.32	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.17	*	0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.027	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.088	J	0.37	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.25	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	44		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.38	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.096		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4880		22.6	2.9	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	30.6		2.3	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.24	J	0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Calcium	3560		113	19.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.1		2.3	0.20	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.1		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	17.0		2.3	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	10400		67.8	22.8	mg/Kg	1	☼	6020B	Total/NA
Lead	43.1		0.68	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3520		113	11.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	277		4.5	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.8		2.3	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	683		113	12.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	259		113	17.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.091	J	0.45	0.046	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.6		2.3	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	27.8		9.0	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.74		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
pH	8.8	HF			SU	1		9045D	Total/NA
Corrosivity	8.8	HF			SU	1		9045D	Total/NA
Oil & Grease	439	J	675	225	mg/Kg	1	☼	9071B	Total/NA
Total Solids	90.2		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	7.6				S.U.	1		9040C	Soluble
pH	5.1				S.U.	1		9040C	TCLP
Temperature	23.9				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	15.5		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	145		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-2
Lab Sample ID: 460-235054-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.048	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.13	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.044	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.29	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.88		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.98		0.035	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.3		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.61		0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.43		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.19	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.10	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.89		0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.17	*	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.063	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.9		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.099	J	0.35	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.67	*	0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.052	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.1		0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.7		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Barium	0.41	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	1.5		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5760		20.5	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.22	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	46.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.12	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3740		102	17.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.3		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	30.6		2.0	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	12600		61.4	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	117		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3190		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	267		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	740		102	11.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.18	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	196		102	16.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.082	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	62.0		8.2	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.016	0.0039	mg/Kg	1	☼	7471B	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Oil & Grease	360	J	636	212	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.4		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.0				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-2 (Continued) — Lab Sample ID: 460-235054-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Temperature	23.9				Degrees C	1		9040C	TCLP
Total Solids	111		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-3 — Lab Sample ID: 460-235054-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.081		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.10		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.12		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.060	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.038		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.069	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.083	J	0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.018	J *	0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.068	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.068	*	0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.017	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.057	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Barium	0.28	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.026	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4840		20.6	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	30.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Calcium	2440		103	17.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.3		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	19.5		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	9730		61.9	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	27.4		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1820		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	264		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.8		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	678		103	11.6	mg/Kg	1	☼	6020B	Total/NA
Sodium	306		103	16.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.063	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	13.5		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	23.0		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.33		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
pH	9.0	HF			SU	1		9045D	Total/NA
Corrosivity	9.0	HF			SU	1		9045D	Total/NA
Oil & Grease	702		638	213	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.2		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.5				S.U.	1		9040C	Soluble
pH	6.0				S.U.	1		9040C	TCLP
Temperature	23.9				Degrees C	1		9040C	TCLP
HEM	1.9	J	5.6	1.6	mg/L	1		1664A	ASTM Leach
Total Solids	108		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-4 — Lab Sample ID: 460-235054-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.33	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.052		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	7560		21.8	2.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	56.8		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.36	J	0.44	0.062	mg/Kg	1	☼	6020B	Total/NA
Calcium	1940		109	18.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.1		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.1		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	24.5		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	13500		65.3	22.0	mg/Kg	1	☼	6020B	Total/NA
Lead	54.4		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2530		109	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	343		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.9		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1090		109	12.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	623		109	17.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.4		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	42.5		8.7	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.050		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Total Solids	93.2		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.4		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	23.9				Degrees C	1		9040C	TCLP
Total Solids	167		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-4D (5-7) — Lab Sample ID: 460-235054-5

No Detections.

Client Sample ID: WCR-3C (5-7) — Lab Sample ID: 460-235054-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0069		0.0067	0.0064	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-6B (5-7) — Lab Sample ID: 460-235054-7

No Detections.

Client Sample ID: WCR-5 (0-8) — Lab Sample ID: 460-235271-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.010	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.021	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acetophenone	0.081	J	0.35	0.017	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.055	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.15		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.18		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-5 (0-8) (Continued)
Lab Sample ID: 460-235271-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.21		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.11	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.058		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.034	J	0.35	0.018	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.015	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.14	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.032	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.016	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.29	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.021	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.020	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.20	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.27	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	160		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.32	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.068		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4710		19.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.19	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.7		0.98	0.098	mg/Kg	1	☼	6020B	Total/NA
Barium	36.1		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.26	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.12	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	2920		97.8	16.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.1		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.2		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	43.9		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	10300		58.7	19.7	mg/Kg	1	☼	6020B	Total/NA
Lead	84.4		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1950		97.8	10	mg/Kg	1	☼	6020B	Total/NA
Manganese	267		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.2		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	773		97.8	10.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	239		97.8	15.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.080	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	69.9		7.8	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.47		0.017	0.0040	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.4		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.70		0.43	0.14	mg/Kg	1	☼	7196A	Total/NA
pH	9.3	HF			SU	1		9045D	Total/NA
Corrosivity	9.3	HF			SU	1		9045D	Total/NA
Oil & Grease	1070		619	206	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.4		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.1				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	1.9	J	5.5	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	129		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-5C (5-7)
Lab Sample ID: 460-235271-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00027	J	0.0011	0.00025	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-6 (0-8)
Lab Sample ID: 460-235271-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.011	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.048		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.066		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.081		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.053	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.039		0.035	0.0068	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.22	J	0.35	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.047	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.073	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.053		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.036	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.077	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Toxaphene	0.00011	J	0.0050	0.00011	mg/L	1		8081B	TCLP
Barium	0.37	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.017	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4470		21.1	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	31.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.22	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	1520		105	17.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	10		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	13.1		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	8640		63.2	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	16.4		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2040		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	239		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.9		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	673		105	11.8	mg/Kg	1	☼	6020B	Total/NA
Sodium	268		105	16.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.055	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	13.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	24.2		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.044		0.018	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.20	J	0.23	0.13	mg/Kg	1	☼	9012B	Total/NA
pH	9.2	HF			SU	1		9045D	Total/NA
Corrosivity	9.2	HF			SU	1		9045D	Total/NA
Oil & Grease	545	J	635	212	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	4.9				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
Total Solids	103		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-7 (0-8) — Lab Sample ID: 460-235271-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.042	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	45		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.32	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	4780		19.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.3		0.98	0.098	mg/Kg	1	☼	6020B	Total/NA
Barium	33.3		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.26	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Calcium	1830		98.0	16.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.2		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	20.9		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	9350		58.8	19.8	mg/Kg	1	☼	6020B	Total/NA
Lead	81.1		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2200		98.0	10	mg/Kg	1	☼	6020B	Total/NA
Manganese	216		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.6		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	980		98.0	11.0	mg/Kg	1	☼	6020B	Total/NA
Sodium	282		98.0	15.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.076	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	15.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	31.8		7.8	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.11		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.2		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	9.5	HF			SU	1		9045D	Total/NA
Corrosivity	9.5	HF			SU	1		9045D	Total/NA
Oil & Grease	398	J	619	206	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.7				S.U.	1		9040C	Soluble
pH	4.9				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
Total Solids	113		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-7B (6-8) — Lab Sample ID: 460-235271-5

No Detections.

Client Sample ID: WCR-8 (0-8) — Lab Sample ID: 460-235363-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.015	J	0.37	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.021	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.099		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.18		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.25	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.074		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.035	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.11	J	0.37	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.077		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.014	J	0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.12	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-8 (0-8) (Continued)
Lab Sample ID: 460-235363-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.25		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.035	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.068	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.11	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	36		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.30	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.046	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4110		20.5	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	31.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.25	J	0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Calcium	1980		102	17.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.8		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	63.9		2.0	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	8850		61.4	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	28.4		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2030		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	225		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	737		102	11.5	mg/Kg	1	☼	6020B	Total/NA
Sodium	195		102	16.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.073	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	29.7		8.2	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.095		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	8.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	2.2		0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	9.0	HF			SU	1		9045D	Total/NA
Corrosivity	9.0	HF			SU	1		9045D	Total/NA
Total Solids	85.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.8				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	2.0	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	95.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-9 (0-8)
Lab Sample ID: 460-235363-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.064	J	1.8	0.051	mg/Kg	5	☼	8270E	Total/NA
Acenaphthene	0.069	J	1.8	0.052	mg/Kg	5	☼	8270E	Total/NA
Anthracene	0.14	J	1.8	0.056	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]anthracene	0.28		0.18	0.064	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	0.48		0.18	0.049	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.36		0.18	0.047	mg/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	3.1		1.8	0.054	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.15	J	0.18	0.036	mg/Kg	5	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.18	J	1.8	0.097	mg/Kg	5	☼	8270E	Total/NA
Chrysene	0.31	J	1.8	0.031	mg/Kg	5	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-9 (0-8) (Continued)
Lab Sample ID: 460-235363-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	2.2		0.18	0.079	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	0.64	J	1.8	0.064	mg/Kg	5	☼	8270E	Total/NA
Fluorene	0.086	J	1.8	0.025	mg/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2.7		0.18	0.071	mg/Kg	5	☼	8270E	Total/NA
Naphthalene	0.083	J	1.8	0.032	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	0.53	J	1.8	0.032	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.55	J	1.8	0.045	mg/Kg	5	☼	8270E	Total/NA
4,4'-DDE	0.0035	J	0.0074	0.00087	mg/Kg	1	☼	8081B	Total/NA
Total EPH (C9-C40)	1000		22	22	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.44	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0022	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.030	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4770		21.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.17	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.4		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	40.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.42	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.13	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	23800		106	18.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.7		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.2		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	17.4		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	9350		63.7	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	40.6		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6610		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	177		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	779		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Sodium	276		106	16.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.069	J	0.42	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.5		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	43.0		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.038		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	9.3	HF			SU	1		9045D	Total/NA
Corrosivity	9.3	HF			SU	1		9045D	Total/NA
Oil & Grease	783		648	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.5				S.U.	1		9040C	Soluble
pH	5.7				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	2.2	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	126		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-8C (5-7)
Lab Sample ID: 460-235363-3

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-9D (5-7)
Lab Sample ID: 460-235363-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011		0.0080	0.0076	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0033		0.0027	0.0015	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0017		0.0013	0.00041	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-10 (0-8)
Lab Sample ID: 460-235434-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.012	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.019	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.021	J	0.35	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.067	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.20		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.19		0.035	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.26		0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.13	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.10		0.035	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.10	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.034	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.20	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.017	J	0.35	0.0050	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.43		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.018	J	0.35	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.25	J	0.35	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.36		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	560		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.60	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0043	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	15.8		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6390		19.7	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.20	J	0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.9		0.99	0.099	mg/Kg	1	☼	6020B	Total/NA
Barium	51.1		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.85	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	33900		98.6	16.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.9		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	34.4		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	12100		59.2	19.9	mg/Kg	1	☼	6020B	Total/NA
Lead	109		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	10100		98.6	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	211		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.7		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	1100		98.6	11.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.13	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	320		98.6	15.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.088	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.2		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-10 (0-8) (Continued)
Lab Sample ID: 460-235434-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	195		7.9	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.073		0.017	0.0040	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.9		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.18	J	0.26	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	10.4	HF			SU	1		9045D	Total/NA
Corrosivity	10.4	HF			SU	1		9045D	Total/NA
Oil & Grease	4560		639	213	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.7		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.7				S.U.	1		9040C	Soluble
pH	5.1				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	2.4	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	141		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-10D (6-8)
Lab Sample ID: 460-235434-2

No Detections.

Client Sample ID: WCR-11 (0-8)
Lab Sample ID: 460-235434-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.013	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.034	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.014	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.14	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.82		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.92		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.1		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.57		0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.44		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.051	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.72		0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.021	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.4		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.033	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.59		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.047	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.55		0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.3		0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	28		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.39	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.084		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	9330		20.7	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	49.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.57		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4860		104	17.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.6		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-11 (0-8) (Continued)
Lab Sample ID: 460-235434-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	27.7		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	14900		62.2	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	74.8		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2800		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	363		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.7		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	841		104	11.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.26	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	249		104	16.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.6		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	63.2		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.031		0.017	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	16.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.65		0.48	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Oil & Grease	376	J	653	218	mg/Kg	1	☼	9071B	Total/NA
Total Solids	86.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.8				S.U.	1		9040C	Soluble
pH	5.1				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	2.4	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Chemical Oxygen Demand	28.4		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	294		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-11A (5-7)
Lab Sample ID: 460-235434-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.00020	J	0.0011	0.00020	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00039	J	0.0011	0.00027	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-12 (0-8)
Lab Sample ID: 460-235434-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.050	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.028	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	100		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.25	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	6270		21.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	31.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.34	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1580		107	18.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.7		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.7		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	14.0		2.1	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	11200		64.2	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	11.5		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2560		107	10.9	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-12 (0-8) (Continued)
Lab Sample ID: 460-235434-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	246		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	775		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Sodium	323		107	16.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.076	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.1		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	30.2		8.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.018		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.7	HF			SU	1		9045D	Total/NA
Corrosivity	8.7	HF			SU	1		9045D	Total/NA
Oil & Grease	272	J	627	209	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.6		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.1				S.U.	1		9040C	Soluble
pH	4.9				S.U.	1		9040C	TCLP
Temperature	22.0				Degrees C	1		9040C	TCLP
HEM	1.9	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	123		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-12A (5-7)
Lab Sample ID: 460-235434-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.0049	J	0.010	0.0038	mg/L	10		8260D	TCLP

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-1
Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1
Matrix: Solid
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0050	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Methylnaphthalene	**0.017**	**J**	0.37	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Acenaphthylene	**0.022**	**J**	0.37	0.0038	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzo[a]anthracene	**0.18**		0.037	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzo[a]pyrene	**0.22**		0.037	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzo[b]fluoranthene	**0.27**		0.037	0.0097	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzo[g,h,i]perylene	**0.16**	**J**	0.37	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Benzo[k]fluoranthene	**0.11**		0.037	0.0073	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Bis(2-ethylhexyl) phthalate	**0.34**	**J**	0.37	0.020	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Chrysene	**0.18**	**J**	0.37	0.0063	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Dibenz(a,h)anthracene	**0.047**	*	0.037	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Dibenzofuran	0.37	U	0.37	0.0052	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1

Client Sample ID: WCR-1
Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1
Matrix: Solid
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Fluoranthene	**0.32**	**J**	0.37	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Fluorene	0.37	U	0.37	0.0051	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Indeno[1,2,3-cd]pyrene	**0.17**	*****	0.037	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Naphthalene	**0.027**	**J**	0.37	0.0065	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Phenanthrene	**0.088**	**J**	0.37	0.0066	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1
Pyrene	**0.25**	**J**	0.37	0.0093	mg/Kg	☼	05/25/21 19:15	05/26/21 15:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.60*	*A J*	*mg/Kg*	☼	*2.60*		*05/25/21 19:15*	*05/26/21 15:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*132*	*	*10 - 123*	*05/25/21 19:15*	*05/26/21 15:35*	*1*
2-Fluorobiphenyl	*79*		*14 - 103*	*05/25/21 19:15*	*05/26/21 15:35*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 105*	*05/25/21 19:15*	*05/26/21 15:35*	*1*
Nitrobenzene-d5 (Surr)	*78*		*11 - 104*	*05/25/21 19:15*	*05/26/21 15:35*	*1*
Phenol-d5 (Surr)	*90*		*15 - 100*	*05/25/21 19:15*	*05/26/21 15:35*	*1*
Terphenyl-d14 (Surr)	*92*		*12 - 126*	*05/25/21 19:15*	*05/26/21 15:35*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/28/21 02:16	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/28/21 02:16	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/28/21 02:16	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/28/21 02:16	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/28/21 02:16	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/28/21 02:16	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/28/21 02:16	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/28/21 02:16	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/28/21 02:16	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/28/21 02:16	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/28/21 02:16	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/28/21 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*33 - 150*	*05/27/21 10:07*	*05/28/21 02:16*	*1*
2-Fluorobiphenyl	*57*		*42 - 127*	*05/27/21 10:07*	*05/28/21 02:16*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*05/27/21 10:07*	*05/28/21 02:16*	*1*

Client Sample ID: WCR-1
Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1
Matrix: Solid
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*	*05/27/21 10:07*	*05/28/21 02:16*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*05/27/21 10:07*	*05/28/21 02:16*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 150*	*05/27/21 10:07*	*05/28/21 02:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	05/25/21 18:05	05/26/21 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*110*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:33*	*1*
DCB Decachlorobiphenyl	*111*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:33*	*1*
Tetrachloro-m-xylene	*103*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:33*	*1*
Tetrachloro-m-xylene	*101*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 08:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 08:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 08:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 08:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 08:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*92*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:38*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:38*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:38*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:38*	*1*

Client Sample ID: WCR-1
Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1
Matrix: Solid
Percent Solids: 88.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1260	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.010	mg/Kg	☼	05/25/21 18:02	05/26/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*37 - 150*	*05/25/21 18:02*	*05/26/21 13:18*	*1*
DCB Decachlorobiphenyl	*118*		*37 - 150*	*05/25/21 18:02*	*05/26/21 13:18*	*1*
Tetrachloro-m-xylene	*122*		*54 - 150*	*05/25/21 18:02*	*05/26/21 13:18*	*1*
Tetrachloro-m-xylene	*119*		*54 - 150*	*05/25/21 18:02*	*05/26/21 13:18*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	05/26/21 23:04	05/27/21 09:21	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	05/26/21 23:04	05/27/21 09:21	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	05/26/21 23:04	05/27/21 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*149*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:21*	*1*
2,4-Dichlorophenylacetic acid	*148*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:21*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 08:52	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*54*		*28 - 150*	*05/27/21 23:26*	*05/28/21 08:52*	*1*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*05/27/21 23:26*	*05/28/21 08:52*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**44**		2.3	2.3	mg/Kg	☼	05/25/21 18:13	05/26/21 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*122*		*40 - 140*	*05/25/21 18:13*	*05/26/21 15:43*	*1*
1-Chlorooctadecane	*133*		*40 - 140*	*05/25/21 18:13*	*05/26/21 15:43*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 16:20	05/28/21 15:32	5
Barium	**0.38**	**J**	1.0	0.066	mg/L		05/27/21 16:20	05/28/21 15:32	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 16:20	05/28/21 15:32	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 16:20	05/28/21 15:32	5
Lead	**0.096**		0.050	0.012	mg/L		05/27/21 16:20	05/28/21 15:32	5

Client Sample ID: WCR-1
Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 16:20	05/28/21 15:32	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 16:20	05/28/21 15:32	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4880**		22.6	2.9	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Arsenic	**1.6**		1.1	0.11	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Barium	**30.6**		2.3	0.16	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Beryllium	**0.24**	**J**	0.45	0.064	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Cadmium	1.1	U	1.1	0.13	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Calcium	**3560**		113	19.2	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Chromium	**11.1**		2.3	0.20	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Cobalt	**4.1**		2.3	0.17	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Copper	**17.0**		2.3	0.25	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Iron	**10400**		67.8	22.8	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Lead	**43.1**		0.68	0.23	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Magnesium	**3520**		113	11.5	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Manganese	**277**		4.5	0.46	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Nickel	**9.8**		2.3	0.22	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Potassium	**683**		113	12.7	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Selenium	1.4	U	1.4	0.13	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Sodium	**259**		113	17.6	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Thallium	**0.091**	**J**	0.45	0.046	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Vanadium	**17.6**		2.3	0.23	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1
Zinc	**27.8**		9.0	2.6	mg/Kg	☼	05/28/21 03:16	05/28/21 22:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 15:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.74**		0.018	0.0043	mg/Kg	☼	05/28/21 03:37	05/28/21 09:08	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**	**HF**			SU			05/28/21 13:59	1
Corrosivity	**8.8**	**HF**			SU			05/28/21 13:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.49	U	0.49	0.16	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	05/27/21 15:05	05/27/21 18:59	1
Oil & Grease	**439**	**J**	675	225	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/28/21 11:15	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/28/21 17:29	05/28/21 17:37	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/28/21 17:25	05/28/21 17:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/28/21 10:55	1

Client Sample ID: WCR-1
Lab Sample ID: 460-235054-1
Date Collected: 05/23/21 09:50
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 88.5

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.5		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	88.5		1.0	1.0	%			05/26/21 13:36	1
Total Solids	90.2		0.10	0.10	%			05/26/21 07:27	1
Total Volatile Solids	3.3		0.10	0.10	%			05/26/21 07:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6				S.U.			05/26/21 11:40	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.1				S.U.			05/27/21 11:40	1
Temperature	23.9				Degrees C			05/27/21 11:40	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.6	U	5.6	1.6	mg/L			06/09/21 10:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	15.5		10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	145		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-2
Lab Sample ID: 460-235054-2
Date Collected: 05/23/21 10:30
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 93.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Methylnaphthalene	0.048	J	0.35	0.0099	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-2
Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-2
Matrix: Solid
Percent Solids: 93.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Acenaphthene	**0.13**	**J**	0.35	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Acenaphthylene	**0.044**	**J**	0.35	0.0035	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Anthracene	**0.29**	**J**	0.35	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzo[a]anthracene	**0.88**		0.035	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzo[a]pyrene	**0.98**		0.035	0.0094	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzo[b]fluoranthene	**1.3**		0.035	0.0091	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzo[g,h,i]perylene	**0.61**		0.35	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Benzo[k]fluoranthene	**0.43**		0.035	0.0069	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Bis(2-ethylhexyl) phthalate	**0.19**	**J**	0.35	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Carbazole	**0.10**	**J**	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Chrysene	**0.89**		0.35	0.0060	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Dibenz(a,h)anthracene	**0.17**	*	0.035	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Dibenzofuran	**0.063**	**J**	0.35	0.0049	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Fluoranthene	**1.9**		0.35	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Fluorene	**0.099**	**J**	0.35	0.0048	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Indeno[1,2,3-cd]pyrene	**0.67**	*	0.035	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Naphthalene	**0.052**	**J**	0.35	0.0061	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Phenanthrene	**1.1**		0.35	0.0062	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1
Pyrene	**1.7**		0.35	0.0088	mg/Kg	☼	05/25/21 19:15	05/26/21 15:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.56*	*A J*	*mg/Kg*	☼	*2.60*		*05/25/21 19:15*	*05/26/21 15:58*	*1*
Unknown	*0.38*	*J*	*mg/Kg*	☼	*9.05*		*05/25/21 19:15*	*05/26/21 15:58*	*1*

Client Sample ID: WCR-2
Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-2
Matrix: Solid
Percent Solids: 93.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pyrene, 1-methyl-	0.37	J N	mg/Kg	☼	10.25	2381-21-7	05/25/21 19:15	05/26/21 15:58	1
Cyclopenta[cd]pyrene	0.58	J N	mg/Kg	☼	10.83	27208-37-3	05/25/21 19:15	05/26/21 15:58	1
Benz[a]anthracene, 7-methyl-	0.30	J N	mg/Kg	☼	11.54	2541-69-7	05/25/21 19:15	05/26/21 15:58	1
Unknown	0.48	J	mg/Kg	☼	14.65		05/25/21 19:15	05/26/21 15:58	1
Dibenz(a,e)aceanthrylene	0.40	J N	mg/Kg	☼	16.99	5385-75-1	05/25/21 19:15	05/26/21 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	116		10 - 123	05/25/21 19:15	05/26/21 15:58	1
2-Fluorobiphenyl	79		14 - 103	05/25/21 19:15	05/26/21 15:58	1
2-Fluorophenol (Surr)	84		10 - 105	05/25/21 19:15	05/26/21 15:58	1
Nitrobenzene-d5 (Surr)	76		11 - 104	05/25/21 19:15	05/26/21 15:58	1
Phenol-d5 (Surr)	89		15 - 100	05/25/21 19:15	05/26/21 15:58	1
Terphenyl-d14 (Surr)	96		12 - 126	05/25/21 19:15	05/26/21 15:58	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/28/21 02:37	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/28/21 02:37	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/28/21 02:37	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/28/21 02:37	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/28/21 02:37	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/28/21 02:37	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/28/21 02:37	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/28/21 02:37	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/28/21 02:37	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/28/21 02:37	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/28/21 02:37	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/28/21 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		33 - 150	05/27/21 10:07	05/28/21 02:37	1
2-Fluorobiphenyl	56		42 - 127	05/27/21 10:07	05/28/21 02:37	1
2-Fluorophenol (Surr)	41		18 - 72	05/27/21 10:07	05/28/21 02:37	1
Nitrobenzene-d5 (Surr)	81		46 - 137	05/27/21 10:07	05/28/21 02:37	1
Phenol-d5 (Surr)	26		10 - 50	05/27/21 10:07	05/28/21 02:37	1
Terphenyl-d14 (Surr)	80		39 - 150	05/27/21 10:07	05/28/21 02:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1

Client Sample ID: WCR-2
Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-2
Matrix: Solid
Percent Solids: 93.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/25/21 18:05	05/26/21 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:45*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:45*	*1*
Tetrachloro-m-xylene	*93*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:45*	*1*
Tetrachloro-m-xylene	*94*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 08:51	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:51	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 08:51	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 08:51	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 08:51	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:51	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 08:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:51*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:51*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:51*	*1*
Tetrachloro-m-xylene	*76*		*10 - 150*	*05/27/21 22:36*	*05/28/21 08:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0095	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1221	0.071	U	0.071	0.0095	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1232	0.071	U	0.071	0.0095	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1242	0.071	U	0.071	0.0095	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1248	0.071	U	0.071	0.0095	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1254	0.071	U	0.071	0.0098	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1260	0.071	U	0.071	0.0098	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor-1262	0.071	U	0.071	0.0098	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Aroclor 1268	0.071	U	0.071	0.0098	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0098	mg/Kg	☼	05/25/21 18:02	05/26/21 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*05/25/21 18:02*	*05/26/21 13:36*	*1*
DCB Decachlorobiphenyl	*109*		*37 - 150*	*05/25/21 18:02*	*05/26/21 13:36*	*1*
Tetrachloro-m-xylene	*113*		*54 - 150*	*05/25/21 18:02*	*05/26/21 13:36*	*1*
Tetrachloro-m-xylene	*110*		*54 - 150*	*05/25/21 18:02*	*05/26/21 13:36*	*1*

Client Sample ID: WCR-2
Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-2
Matrix: Solid
Percent Solids: 93.9

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/26/21 23:04	05/27/21 09:36	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/26/21 23:04	05/27/21 09:36	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/26/21 23:04	05/27/21 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:36*	*1*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:36*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 09:06	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:06*	*1*
2,4-Dichlorophenylacetic acid	*76*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:06*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.1	U	2.1	2.1	mg/Kg	☼	05/25/21 18:13	05/26/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*115*		*40 - 140*	*05/25/21 18:13*	*05/26/21 15:59*	*1*
1-Chlorooctadecane	*132*		*40 - 140*	*05/25/21 18:13*	*05/26/21 15:59*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 16:20	05/28/21 15:36	5
Barium	**0.41**	**J**	1.0	0.066	mg/L		05/27/21 16:20	05/28/21 15:36	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 16:20	05/28/21 15:36	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 16:20	05/28/21 15:36	5
Lead	**1.5**		0.050	0.012	mg/L		05/27/21 16:20	05/28/21 15:36	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 16:20	05/28/21 15:36	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 16:20	05/28/21 15:36	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5760**		20.5	2.7	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Antimony	**0.22**	**J**	1.0	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Arsenic	**3.2**		1.0	0.10	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Barium	**46.1**		2.0	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Beryllium	**0.28**	**J**	0.41	0.058	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Cadmium	**0.12**	**J**	1.0	0.12	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Calcium	**3740**		102	17.4	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Chromium	**13.3**		2.0	0.18	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Cobalt	**5.1**		2.0	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Copper	**30.6**		2.0	0.23	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Iron	**12600**		61.4	20.7	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Lead	**117**		0.61	0.20	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Magnesium	**3190**		102	10.4	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Manganese	**267**		4.1	0.41	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1

Client Sample ID: WCR-2
Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-2
Matrix: Solid
Percent Solids: 93.9

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**11.6**		2.0	0.20	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Potassium	**740**		102	11.5	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Selenium	**0.18**	**J**	1.3	0.12	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Silver	1.0	U	1.0	0.091	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Sodium	**196**		102	16.0	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Thallium	**0.082**	**J**	0.41	0.042	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Vanadium	**19.4**		2.0	0.21	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1
Zinc	**62.0**		8.2	2.3	mg/Kg	☼	05/28/21 03:16	05/28/21 22:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 16:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.016	0.0039	mg/Kg	☼	05/28/21 03:37	05/28/21 09:10	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			05/28/21 14:00	1
Corrosivity	**8.5**	**HF**			SU			05/28/21 14:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.21	U	0.21	0.12	mg/Kg	☼	05/27/21 15:05	05/27/21 19:01	1
Oil & Grease	**360**	**J**	636	212	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/28/21 11:15	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/28/21 17:29	05/28/21 17:37	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/28/21 17:25	05/28/21 17:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/28/21 11:00	1
Percent Moisture	**6.1**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**93.9**		1.0	1.0	%			05/26/21 13:36	1
Total Solids	**94.8**		0.10	0.10	%			05/26/21 07:27	1
Total Volatile Solids	**2.4**		0.10	0.10	%			05/26/21 07:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**				S.U.			05/26/21 11:40	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			05/27/21 11:40	1
Temperature	**23.9**				Degrees C			05/27/21 11:40	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.6	U	5.6	1.6	mg/L			06/09/21 10:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:22	1

Client Sample ID: WCR-2
Lab Sample ID: 460-235054-2
Date Collected: 05/23/21 10:30
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 93.9

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**111**		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-3
Lab Sample ID: 460-235054-3
Date Collected: 05/23/21 10:40
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 92.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
4-Nitrophenol	0.73	U	0.73	0.058	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Acenaphthylene	0.36	U	0.36	0.0036	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzo[a]anthracene	**0.081**		0.036	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzo[a]pyrene	**0.10**		0.036	0.0096	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzo[b]fluoranthene	**0.12**		0.036	0.0093	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzo[g,h,i]perylene	**0.060**	**J**	0.36	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Benzo[k]fluoranthene	**0.038**		0.036	0.0070	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Bis(2-ethylhexyl) phthalate	**0.069**	**J**	0.36	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid
Percent Solids: 92.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Chrysene	**0.083**	**J**	0.36	0.0061	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Dibenz(a,h)anthracene	**0.018**	**J ***	0.036	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Dibenzofuran	0.36	U	0.36	0.0050	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Fluoranthene	**0.068**	**J**	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Fluorene	0.36	U	0.36	0.0049	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Hexachlorobutadiene	0.073	U	0.073	0.0076	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Indeno[1,2,3-cd]pyrene	**0.068**	*****	0.036	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Phenanthrene	**0.017**	**J**	0.36	0.0063	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1
Pyrene	**0.057**	**J**	0.36	0.0089	mg/Kg	☼	05/25/21 19:15	05/26/21 14:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.64*	*A J*	*mg/Kg*	☼	*2.60*		*05/25/21 19:15*	*05/26/21 14:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*131*	*	*10 - 123*	*05/25/21 19:15*	*05/26/21 14:26*	*1*
2-Fluorobiphenyl	*87*		*14 - 103*	*05/25/21 19:15*	*05/26/21 14:26*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 105*	*05/25/21 19:15*	*05/26/21 14:26*	*1*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*	*05/25/21 19:15*	*05/26/21 14:26*	*1*
Phenol-d5 (Surr)	*93*		*15 - 100*	*05/25/21 19:15*	*05/26/21 14:26*	*1*
Terphenyl-d14 (Surr)	*94*		*12 - 126*	*05/25/21 19:15*	*05/26/21 14:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/28/21 02:58	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/28/21 02:58	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/28/21 02:58	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/28/21 02:58	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/28/21 02:58	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/28/21 02:58	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/28/21 02:58	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/28/21 02:58	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/28/21 02:58	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/28/21 02:58	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid
Percent Solids: 92.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/28/21 02:58	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/28/21 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*33 - 150*	*05/27/21 10:07*	*05/28/21 02:58*	*1*
2-Fluorobiphenyl	*62*		*42 - 127*	*05/27/21 10:07*	*05/28/21 02:58*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*05/27/21 10:07*	*05/28/21 02:58*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 137*	*05/27/21 10:07*	*05/28/21 02:58*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*05/27/21 10:07*	*05/28/21 02:58*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 150*	*05/27/21 10:07*	*05/28/21 02:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	05/25/21 18:05	05/26/21 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:57*	*1*
DCB Decachlorobiphenyl	*114*		*10 - 150*	*05/25/21 18:05*	*05/26/21 09:57*	*1*
Tetrachloro-m-xylene	*106*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:57*	*1*
Tetrachloro-m-xylene	*106*		*10 - 133*	*05/25/21 18:05*	*05/26/21 09:57*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 09:03	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:03	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 09:03	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 09:03	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 09:03	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:03	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 09:03	1

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid
Percent Solids: 92.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:03*	*1*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:03*	*1*
Tetrachloro-m-xylene	*72*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:03*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:03*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0096	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1221	0.073	U	0.073	0.0096	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1232	0.073	U	0.073	0.0096	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1242	0.073	U	0.073	0.0096	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1248	0.073	U	0.073	0.0096	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1260	0.073	U	0.073	0.010	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor-1262	0.073	U	0.073	0.010	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Aroclor 1268	0.073	U	0.073	0.010	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.010	mg/Kg	☼	05/25/21 18:12	05/26/21 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*37 - 150*	*05/25/21 18:12*	*05/26/21 13:53*	*1*
DCB Decachlorobiphenyl	*123*		*37 - 150*	*05/25/21 18:12*	*05/26/21 13:53*	*1*
Tetrachloro-m-xylene	*118*		*54 - 150*	*05/25/21 18:12*	*05/26/21 13:53*	*1*
Tetrachloro-m-xylene	*122*		*54 - 150*	*05/25/21 18:12*	*05/26/21 13:53*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	05/26/21 23:04	05/27/21 09:50	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	05/26/21 23:04	05/27/21 09:50	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	05/26/21 23:04	05/27/21 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:50*	*1*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*05/26/21 23:04*	*05/27/21 09:50*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 09:19	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:19*	*1*
2,4-Dichlorophenylacetic acid	*71*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:19*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.2	U	2.2	2.2	mg/Kg	☼	05/25/21 18:13	05/26/21 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*118*		*40 - 140*	*05/25/21 18:13*	*05/26/21 16:15*	*1*
1-Chlorooctadecane	*127*		*40 - 140*	*05/25/21 18:13*	*05/26/21 16:15*	*1*

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid
Percent Solids: 92.2

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 16:20	05/28/21 15:40	5
Barium	**0.28**	**J**	1.0	0.066	mg/L		05/27/21 16:20	05/28/21 15:40	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 16:20	05/28/21 15:40	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 16:20	05/28/21 15:40	5
Lead	**0.026**	**J**	0.050	0.012	mg/L		05/27/21 16:20	05/28/21 15:40	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 16:20	05/28/21 15:40	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 16:20	05/28/21 15:40	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4840**		20.6	2.7	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Arsenic	**1.5**		1.0	0.10	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Barium	**30.5**		2.1	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Beryllium	**0.23**	**J**	0.41	0.059	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Cadmium	1.0	U	1.0	0.12	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Calcium	**2440**		103	17.6	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Chromium	**9.3**		2.1	0.18	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Cobalt	**4.3**		2.1	0.15	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Copper	**19.5**		2.1	0.23	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Iron	**9730**		61.9	20.9	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Lead	**27.4**		0.62	0.21	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Magnesium	**1820**		103	10.5	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Manganese	**264**		4.1	0.42	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Nickel	**8.8**		2.1	0.20	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Potassium	**678**		103	11.6	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Silver	1.0	U	1.0	0.092	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Sodium	**306**		103	16.1	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Thallium	**0.063**	**J**	0.41	0.042	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Vanadium	**13.5**		2.1	0.21	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1
Zinc	**23.0**		8.3	2.4	mg/Kg	☼	05/28/21 03:16	05/28/21 22:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 16:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.018	0.0042	mg/Kg	☼	05/28/21 03:37	05/28/21 09:12	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**	**HF**			SU			05/28/21 14:02	1
Corrosivity	**9.0**	**HF**			SU			05/28/21 14:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	05/27/21 15:05	05/27/21 19:02	1
Oil & Grease	**702**		638	213	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Client Sample ID: WCR-3
Lab Sample ID: 460-235054-3
Date Collected: 05/23/21 10:40
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 92.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/28/21 11:15	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/28/21 17:29	05/28/21 17:37	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/28/21 17:25	05/28/21 17:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/28/21 11:00	1
Percent Moisture	**7.8**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**92.2**		1.0	1.0	%			05/26/21 13:36	1
Total Solids	**94.2**		0.10	0.10	%			05/26/21 07:27	1
Total Volatile Solids	**1.3**		0.10	0.10	%			05/26/21 07:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**				S.U.			05/26/21 11:40	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.0**				S.U.			05/27/21 11:40	1
Temperature	**23.9**				Degrees C			05/27/21 11:40	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.9**	**J**	5.6	1.6	mg/L			06/09/21 10:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**108**		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-4
Lab Sample ID: 460-235054-4
Date Collected: 05/23/21 12:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 84.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0052	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0071	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4-Dinitrophenol	0.32	U	0.32	0.19	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Nitroaniline	0.39	U	0.39	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Chloroaniline	0.39	U	0.39	0.070	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Methylphenol	0.39	U	0.39	0.025	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
4-Nitrophenol	0.79	U	0.79	0.064	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Acenaphthylene	0.39	U	0.39	0.0039	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzaldehyde	0.39	U	0.39	0.065	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzo[a]anthracene	0.039	U	0.039	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.012	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0077	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.031	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Chrysene	0.39	U	0.39	0.0066	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Dibenz(a,h)anthracene	0.039	U *	0.039	0.017	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Dibenzofuran	0.39	U	0.39	0.0055	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Diethyl phthalate	0.39	U	0.39	0.0057	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Fluorene	0.39	U	0.39	0.0053	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Hexachlorobutadiene	0.079	U	0.079	0.0084	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Indeno[1,2,3-cd]pyrene	0.039	U *	0.039	0.015	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Naphthalene	0.39	U	0.39	0.0068	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Nitrobenzene	0.039	U	0.039	0.0094	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.029	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Pentachlorophenol	0.32	U	0.32	0.080	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Phenanthrene	0.39	U	0.39	0.0069	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.39	U	0.39	0.0098	mg/Kg	☼	05/25/21 19:15	05/26/21 10:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.36*	*A J*	*mg/Kg*	☼	*2.60*		*05/25/21 19:15*	*05/26/21 10:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*10 - 123*	*05/25/21 19:15*	*05/26/21 10:36*	*1*
2-Fluorobiphenyl	*48*		*14 - 103*	*05/25/21 19:15*	*05/26/21 10:36*	*1*
2-Fluorophenol (Surr)	*47*		*10 - 105*	*05/25/21 19:15*	*05/26/21 10:36*	*1*
Nitrobenzene-d5 (Surr)	*46*		*11 - 104*	*05/25/21 19:15*	*05/26/21 10:36*	*1*
Phenol-d5 (Surr)	*48*		*15 - 100*	*05/25/21 19:15*	*05/26/21 10:36*	*1*
Terphenyl-d14 (Surr)	*48*		*12 - 126*	*05/25/21 19:15*	*05/26/21 10:36*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/28/21 03:19	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/28/21 03:19	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/28/21 03:19	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/28/21 03:19	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/28/21 03:19	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/28/21 03:19	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/28/21 03:19	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/28/21 03:19	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/28/21 03:19	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/28/21 03:19	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/28/21 03:19	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/28/21 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*33 - 150*	*05/27/21 10:07*	*05/28/21 03:19*	*1*
2-Fluorobiphenyl	*54*		*42 - 127*	*05/27/21 10:07*	*05/28/21 03:19*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*05/27/21 10:07*	*05/28/21 03:19*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 137*	*05/27/21 10:07*	*05/28/21 03:19*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*05/27/21 10:07*	*05/28/21 03:19*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 150*	*05/27/21 10:07*	*05/28/21 03:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0014	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
4,4'-DDE	0.0079	U	0.0079	0.00094	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
4,4'-DDT	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
alpha-BHC	0.0024	U	0.0024	0.00081	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
beta-BHC	0.0024	U	0.0024	0.00089	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Endosulfan sulfate	0.0079	U	0.0079	0.0010	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00074	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Heptachlor	0.0079	U	0.0079	0.00094	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1
Toxaphene	0.079	U	0.079	0.029	mg/Kg	☼	05/25/21 18:05	05/26/21 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*05/25/21 18:05*	*05/26/21 10:10*	*1*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*05/25/21 18:05*	*05/26/21 10:10*	*1*
Tetrachloro-m-xylene	*88*		*10 - 133*	*05/25/21 18:05*	*05/26/21 10:10*	*1*
Tetrachloro-m-xylene	*87*		*10 - 133*	*05/25/21 18:05*	*05/26/21 10:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 09:15	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:15	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 09:15	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 09:15	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 09:15	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:15	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:15*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:15*	*1*
Tetrachloro-m-xylene	*36*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:15*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1221	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1232	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1242	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1248	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1260	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1
Polychlorinated biphenyls, Total	0.079	U	0.079	0.011	mg/Kg	☼	05/25/21 20:12	05/26/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*37 - 150*	*05/25/21 20:12*	*05/26/21 14:10*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 150*	*05/25/21 20:12*	*05/26/21 14:10*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/25/21 20:12*	*05/26/21 14:10*	*1*
Tetrachloro-m-xylene	*101*		*54 - 150*	*05/25/21 20:12*	*05/26/21 14:10*	*1*

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.040	U	0.040	0.0084	mg/Kg	☼	05/26/21 23:04	05/27/21 10:05	1
2,4-D	0.040	U	0.040	0.014	mg/Kg	☼	05/26/21 23:04	05/27/21 10:05	1
Silvex (2,4,5-TP)	0.040	U	0.040	0.0041	mg/Kg	☼	05/26/21 23:04	05/27/21 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*05/26/21 23:04*	*05/27/21 10:05*	*1*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*05/26/21 23:04*	*05/27/21 10:05*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 09:33	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:33*	*1*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*05/27/21 23:26*	*05/28/21 09:33*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.4	U	2.4	2.4	mg/Kg	☼	05/25/21 18:13	05/26/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*117*		*40 - 140*	*05/25/21 18:13*	*05/26/21 16:29*	*1*
1-Chlorooctadecane	*125*		*40 - 140*	*05/25/21 18:13*	*05/26/21 16:29*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 16:20	05/28/21 15:44	5
Barium	**0.33**	**J**	1.0	0.066	mg/L		05/27/21 16:20	05/28/21 15:44	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 16:20	05/28/21 15:44	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 16:20	05/28/21 15:44	5
Lead	**0.052**		0.050	0.012	mg/L		05/27/21 16:20	05/28/21 15:44	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 16:20	05/28/21 15:44	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 16:20	05/28/21 15:44	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7560**		21.8	2.8	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Arsenic	**2.1**		1.1	0.11	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Barium	**56.8**		2.2	0.16	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Beryllium	**0.36**	**J**	0.44	0.062	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Calcium	**1940**		109	18.5	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Chromium	**15.1**		2.2	0.19	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Cobalt	**6.1**		2.2	0.16	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Copper	**24.5**		2.2	0.24	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Iron	**13500**		65.3	22.0	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Lead	**54.4**		0.65	0.22	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Magnesium	**2530**		109	11.1	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Manganese	**343**		4.4	0.44	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**11.9**		2.2	0.21	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Potassium	**1090**		109	12.2	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Selenium	**0.17**	**J**	1.4	0.13	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Silver	1.1	U	1.1	0.097	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Sodium	**623**		109	17.0	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Thallium	**0.10**	**J**	0.44	0.045	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Vanadium	**20.4**		2.2	0.22	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1
Zinc	**42.5**		8.7	2.5	mg/Kg	☼	05/28/21 03:16	05/28/21 22:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 16:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.050**		0.018	0.0043	mg/Kg	☼	05/28/21 03:37	05/28/21 09:18	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			05/28/21 14:04	1
Corrosivity	**8.5**	**HF**			SU			05/28/21 14:04	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.51	U	0.51	0.17	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/27/21 15:05	05/27/21 19:03	1
Oil & Grease	696	U	696	232	mg/Kg	☼	05/28/21 13:00	05/28/21 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/28/21 11:15	1
Cr (III)	2.0	U	2.0	2.0	mg/Kg			06/01/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/28/21 17:29	05/28/21 17:37	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/28/21 17:25	05/28/21 17:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			05/28/21 11:05	1
Percent Moisture	**15.7**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**84.3**		1.0	1.0	%			05/26/21 13:36	1
Total Solids	**93.2**		0.10	0.10	%			05/26/21 07:27	1
Total Volatile Solids	**1.4**		0.10	0.10	%			05/26/21 07:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**				S.U.			05/26/21 11:40	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			05/27/21 11:40	1
Temperature	**23.9**				Degrees C			05/27/21 11:40	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.6	U	5.6	1.6	mg/L			06/09/21 10:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:29	1

Client Sample ID: WCR-4
Lab Sample ID: 460-235054-4
Date Collected: 05/23/21 12:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 84.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**167**		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-4D (5-7)
Lab Sample ID: 460-235054-5
Date Collected: 05/24/21 09:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00038	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00035	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00049	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00033	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00074	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00048	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00068	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
2-Butanone (MEK)	0.0081	U	0.0081	0.00060	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
2-Hexanone	0.0081	U	0.0081	0.0028	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
4-Methyl-2-pentanone (MIBK)	0.0081	U	0.0081	0.0025	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Acetone	0.0097	U	0.0097	0.0093	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Benzene	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Bromoform	0.0016	U	0.0016	0.00069	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Bromomethane	0.0032	U	0.0032	0.0016	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Carbon disulfide	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Carbon tetrachloride	0.0016	U	0.0016	0.00063	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chlorobenzene	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chlorobromomethane	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chlorodibromomethane	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chloroethane	0.0016	U	0.0016	0.00084	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chloroform	0.0016	U	0.0016	0.0016	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Chloromethane	0.0016	U	0.0016	0.00070	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00058	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00044	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Cyclohexane	0.0016	U	0.0016	0.00036	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Dichlorobromomethane	0.0016	U	0.0016	0.00042	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00055	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Ethylbenzene	0.0016	U	0.0016	0.00032	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Ethylene Dibromide	0.0016	U	0.0016	0.00029	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Isopropylbenzene	0.0016	U	0.0016	0.00046	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Methyl acetate	0.0081	U	0.0081	0.0070	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00083	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Methylcyclohexane	0.0016	U	0.0016	0.00081	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Methylene Chloride	0.0032	U	0.0032	0.0019	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00028	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1

Client Sample ID: WCR-4D (5-7)
Lab Sample ID: 460-235054-5
Date Collected: 05/24/21 09:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0016	U	0.0016	0.00031	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Styrene	0.0016	U	0.0016	0.00045	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Tetrachloroethene	0.0016	U	0.0016	0.00049	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Toluene	0.0016	U	0.0016	0.00038	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00040	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Trichloroethene	0.0016	U	0.0016	0.00052	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00066	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1
Vinyl chloride	0.0016	U	0.0016	0.00088	mg/Kg	☼	05/25/21 22:42	05/26/21 15:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/25/21 22:42*	*05/26/21 15:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 145*	*05/25/21 22:42*	*05/26/21 15:56*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/25/21 22:42*	*05/26/21 15:56*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*05/25/21 22:42*	*05/26/21 15:56*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*05/25/21 22:42*	*05/26/21 15:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/28/21 16:14	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/28/21 16:14	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/28/21 16:14	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/28/21 16:14	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/28/21 16:14	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/28/21 16:14	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/28/21 16:14	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/28/21 16:14	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/28/21 16:14	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/28/21 16:14	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/28/21 16:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*05/28/21 16:14*	*10*
4-Bromofluorobenzene	*103*		*76 - 120*		*05/28/21 16:14*	*10*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*05/28/21 16:14*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/28/21 16:14*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.9**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**95.1**		1.0	1.0	%			05/26/21 13:36	1

Client Sample ID: WCR-3C (5-7)
Lab Sample ID: 460-235054-6
Date Collected: 05/24/21 11:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-3C (5-7)
Date Collected: 05/24/21 11:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-6
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Acetone	**0.0069**		0.0067	0.0064	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1

Client Sample ID: WCR-3C (5-7)
Lab Sample ID: 460-235054-6
Date Collected: 05/24/21 11:00
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	05/25/21 22:43	05/26/21 16:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/25/21 22:43*	*05/26/21 16:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*	*05/25/21 22:43*	*05/26/21 16:20*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*05/25/21 22:43*	*05/26/21 16:20*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*05/25/21 22:43*	*05/26/21 16:20*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/25/21 22:43*	*05/26/21 16:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/28/21 16:40	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/28/21 16:40	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/28/21 16:40	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/28/21 16:40	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/28/21 16:40	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/28/21 16:40	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/28/21 16:40	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/28/21 16:40	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/28/21 16:40	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/28/21 16:40	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/28/21 16:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/28/21 16:40*	*10*
4-Bromofluorobenzene	*101*		*76 - 120*		*05/28/21 16:40*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*05/28/21 16:40*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/28/21 16:40*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**90.8**		1.0	1.0	%			05/26/21 13:36	1

Client Sample ID: WCR-6B (5-7)
Lab Sample ID: 460-235054-7
Date Collected: 05/24/21 08:45
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-6B (5-7)
Date Collected: 05/24/21 08:45
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-7
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
2-Hexanone	0.0060	U	0.0060	0.0021	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Methyl acetate	0.0060	U	0.0060	0.0052	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	05/25/21 22:44	05/26/21 16:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/25/21 22:44*	*05/26/21 16:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 145*	*05/25/21 22:44*	*05/26/21 16:45*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/25/21 22:44*	*05/26/21 16:45*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*05/25/21 22:44*	*05/26/21 16:45*	*1*

Client Sample ID: WCR-6B (5-7)
Lab Sample ID: 460-235054-7

Date Collected: 05/24/21 08:45
Matrix: Solid
Date Received: 05/24/21 17:00
Percent Solids: 91.1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*	*05/25/21 22:44*	*05/26/21 16:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/28/21 17:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/28/21 17:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/28/21 17:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/28/21 17:06	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/28/21 17:06	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			05/28/21 17:06	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/28/21 17:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/28/21 17:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/28/21 17:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/28/21 17:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/28/21 17:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*05/28/21 17:06*	*10*
4-Bromofluorobenzene	*102*		*76 - 120*		*05/28/21 17:06*	*10*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*05/28/21 17:06*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/28/21 17:06*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		1.0	1.0	%			05/26/21 13:36	1
Percent Solids	**91.1**		1.0	1.0	%			05/26/21 13:36	1

Client Sample ID: WCR-5 (0-8)
Lab Sample ID: 460-235271-1

Date Collected: 05/26/21 12:15
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2-Methylnaphthalene	**0.010**	**J**	0.35	0.0098	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-5 (0-8)
Date Collected: 05/26/21 12:15
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-1
Matrix: Solid
Percent Solids: 94.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Acenaphthene	**0.021**	**J**	0.35	0.010	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Acetophenone	**0.081**	**J**	0.35	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Anthracene	**0.055**	**J**	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzo[a]anthracene	**0.15**		0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzo[a]pyrene	**0.18**		0.035	0.0093	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzo[b]fluoranthene	**0.21**		0.035	0.0090	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzo[g,h,i]perylene	**0.11**	**J**	0.35	0.010	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Benzo[k]fluoranthene	**0.058**		0.035	0.0069	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Bis(2-ethylhexyl) phthalate	**0.034**	**J**	0.35	0.018	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Carbazole	**0.015**	**J**	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Chrysene	**0.14**	**J**	0.35	0.0059	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Dibenz(a,h)anthracene	**0.032**	**J**	0.035	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Dibenzofuran	**0.016**	**J**	0.35	0.0049	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Fluoranthene	**0.29**	**J**	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Fluorene	**0.021**	**J**	0.35	0.0047	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.035	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Naphthalene	**0.020**	**J**	0.35	0.0060	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Phenanthrene	**0.20**	**J**	0.35	0.0061	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1

Client Sample ID: WCR-5 (0-8)
Date Collected: 05/26/21 12:15
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-1
Matrix: Solid
Percent Solids: 94.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1
Pyrene	**0.27**	**J**	0.35	0.0087	mg/Kg	☼	05/27/21 18:07	05/28/21 14:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pyrene, 1-methyl-	*0.42*	*J N*	*mg/Kg*	☼	*10.25*	*2381-21-7*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*10.55*		*05/27/21 18:07*	*05/28/21 14:54*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*10.78*		*05/27/21 18:07*	*05/28/21 14:54*	*1*
Unknown	*0.28*	*J*	*mg/Kg*	☼	*11.34*		*05/27/21 18:07*	*05/28/21 14:54*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*11.65*		*05/27/21 18:07*	*05/28/21 14:54*	*1*
13-Docosenamide, (Z)-	*0.31*	*J N*	*mg/Kg*	☼	*12.14*	*112-84-5*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
1-Naphthalenecarboxylic acid, 2-benzoyl-	*0.32*	*J N*	*mg/Kg*	☼	*14.23*	*38119-11-8*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
Unknown	*0.50*	*J*	*mg/Kg*	☼	*15.79*		*05/27/21 18:07*	*05/28/21 14:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*109*		*10 - 123*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
2-Fluorobiphenyl	*89*		*14 - 103*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
Nitrobenzene-d5 (Surr)	*85*		*11 - 104*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
Phenol-d5 (Surr)	*82*		*15 - 100*	*05/27/21 18:07*	*05/28/21 14:54*	*1*
Terphenyl-d14 (Surr)	*107*		*12 - 126*	*05/27/21 18:07*	*05/28/21 14:54*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/29/21 07:15	05/30/21 00:15	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/29/21 07:15	05/30/21 00:15	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/29/21 07:15	05/30/21 00:15	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/29/21 07:15	05/30/21 00:15	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/29/21 07:15	05/30/21 00:15	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/29/21 07:15	05/30/21 00:15	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/29/21 07:15	05/30/21 00:15	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/29/21 07:15	05/30/21 00:15	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/29/21 07:15	05/30/21 00:15	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/29/21 07:15	05/30/21 00:15	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/29/21 07:15	05/30/21 00:15	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		05/29/21 07:15	05/30/21 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*33 - 150*	*05/29/21 07:15*	*05/30/21 00:15*	*1*
2-Fluorobiphenyl	*97*		*42 - 127*	*05/29/21 07:15*	*05/30/21 00:15*	*1*
2-Fluorophenol (Surr)	*65*		*18 - 72*	*05/29/21 07:15*	*05/30/21 00:15*	*1*
Nitrobenzene-d5 (Surr)	*109*		*46 - 137*	*05/29/21 07:15*	*05/30/21 00:15*	*1*
Phenol-d5 (Surr)	*46*		*10 - 50*	*05/29/21 07:15*	*05/30/21 00:15*	*1*
Terphenyl-d14 (Surr)	*106*		*39 - 150*	*05/29/21 07:15*	*05/30/21 00:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1

Client Sample ID: WCR-5 (0-8)
Lab Sample ID: 460-235271-1
Date Collected: 05/26/21 12:15
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/28/21 18:20	05/31/21 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:24*	*1*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:24*	*1*
Tetrachloro-m-xylene	*79*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:24*	*1*
Tetrachloro-m-xylene	*79*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/29/21 16:12	06/01/21 06:08	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:08	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/29/21 16:12	06/01/21 06:08	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/29/21 16:12	06/01/21 06:08	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/29/21 16:12	06/01/21 06:08	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:08	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/29/21 16:12	06/01/21 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:08*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:08*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:08*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1

Client Sample ID: WCR-5 (0-8)
Date Collected: 05/26/21 12:15
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-1
Matrix: Solid
Percent Solids: 94.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*37 - 150*	*05/28/21 18:12*	*05/31/21 10:07*	*1*
DCB Decachlorobiphenyl	*135*		*37 - 150*	*05/28/21 18:12*	*05/31/21 10:07*	*1*
Tetrachloro-m-xylene	*131*		*54 - 150*	*05/28/21 18:12*	*05/31/21 10:07*	*1*
Tetrachloro-m-xylene	*130*		*54 - 150*	*05/28/21 18:12*	*05/31/21 10:07*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/27/21 23:29	05/28/21 12:28	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/27/21 23:29	05/28/21 12:28	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/27/21 23:29	05/28/21 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*05/27/21 23:29*	*05/28/21 12:28*	*1*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*05/27/21 23:29*	*05/28/21 12:28*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/29/21 16:00	06/01/21 07:00	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/29/21 16:00	06/01/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:00*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:00*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**160**		2.1	2.1	mg/Kg	☼	05/30/21 15:58	06/01/21 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*121*		*40 - 140*	*05/30/21 15:58*	*06/01/21 09:42*	*1*
1-Chlorooctadecane	*169*	*	*40 - 140*	*05/30/21 15:58*	*06/01/21 09:42*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/01/21 05:46	06/01/21 17:51	5
Barium	**0.32**	**J**	1.0	0.066	mg/L		06/01/21 05:46	06/01/21 17:51	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/01/21 05:46	06/01/21 17:51	5
Chromium	0.050	U	0.050	0.025	mg/L		06/01/21 05:46	06/01/21 17:51	5
Lead	**0.068**		0.050	0.012	mg/L		06/01/21 05:46	06/01/21 17:51	5
Selenium	0.10	U	0.10	0.029	mg/L		06/01/21 05:46	06/01/21 17:51	5
Silver	0.050	U	0.050	0.029	mg/L		06/01/21 05:46	06/01/21 17:51	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4710**		19.6	2.5	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Antimony	**0.19**	**J**	0.98	0.14	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Arsenic	**2.7**		0.98	0.098	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Barium	**36.1**		2.0	0.14	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Beryllium	**0.26**	**J**	0.39	0.056	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1

Client Sample ID: WCR-5 (0-8)
Date Collected: 05/26/21 12:15
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-1
Matrix: Solid
Percent Solids: 94.7

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.12	J	0.98	0.11	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Calcium	2920		97.8	16.6	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Chromium	13.1		2.0	0.17	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Cobalt	5.2		2.0	0.14	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Copper	43.9		2.0	0.22	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Iron	10300		58.7	19.7	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Lead	84.4		0.59	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Magnesium	1950		97.8	10	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Manganese	267		3.9	0.39	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Nickel	11.2		2.0	0.19	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Potassium	773		97.8	10.9	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Selenium	0.19	J	1.2	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Silver	0.98	U	0.98	0.087	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Sodium	239		97.8	15.3	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Thallium	0.080	J	0.39	0.040	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Vanadium	16.8		2.0	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1
Zinc	69.9		7.8	2.2	mg/Kg	☼	06/04/21 03:04	06/04/21 11:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:50	06/01/21 15:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47		0.017	0.0040	mg/Kg	☼	06/02/21 02:59	06/02/21 07:05	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.3	HF			SU			06/04/21 13:02	1
Corrosivity	9.3	HF			SU			06/04/21 13:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.70		0.43	0.14	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	05/28/21 16:29	05/29/21 14:31	1
Oil & Grease	1070		619	206	mg/Kg	☼	06/02/21 20:30	06/03/21 08:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/30/21 17:16	1
Cr (III)	12.4		2.0	2.0	mg/Kg			06/04/21 15:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:15	06/03/21 17:32	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:10	06/03/21 16:59	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	5.3		1.0	1.0	%			05/28/21 10:23	1
Percent Solids	94.7		1.0	1.0	%			05/28/21 10:23	1
Total Solids	94.7		0.10	0.10	%			05/28/21 10:44	1
Total Volatile Solids	2.4		0.10	0.10	%			05/28/21 10:44	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6				S.U.			06/03/21 13:49	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-5 (0-8)
Lab Sample ID: 460-235271-1
Date Collected: 05/26/21 12:15
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.7

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.1**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.9**	**J**	5.5	1.5	mg/L			06/11/21 21:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**129**		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-5C (5-7)
Lab Sample ID: 460-235271-2
Date Collected: 05/26/21 12:20
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00039	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
2-Hexanone	0.0054	U	0.0054	0.0018	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1

Client Sample ID: WCR-5C (5-7)
Date Collected: 05/26/21 12:20
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-2
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Toluene	**0.00027**	**J**	0.0011	0.00025	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	05/27/21 17:26	05/29/21 09:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/27/21 17:26*	*05/29/21 09:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*	*05/27/21 17:26*	*05/29/21 09:13*	*1*
4-Bromofluorobenzene	*111*		*70 - 139*	*05/27/21 17:26*	*05/29/21 09:13*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*05/27/21 17:26*	*05/29/21 09:13*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*05/27/21 17:26*	*05/29/21 09:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/29/21 17:36	10
1,2-Dichloroethane	0.010	U *	0.010	0.0043	mg/L			05/29/21 17:36	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/29/21 17:36	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/29/21 17:36	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/29/21 17:36	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/29/21 17:36	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/29/21 17:36	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/29/21 17:36	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/29/21 17:36	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/29/21 17:36	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/29/21 17:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*		*05/29/21 17:36*	*10*
4-Bromofluorobenzene	*119*		*76 - 120*		*05/29/21 17:36*	*10*
Dibromofluoromethane (Surr)	*112*		*77 - 124*		*05/29/21 17:36*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/29/21 17:36*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		1.0	1.0	%			05/28/21 10:23	1

Client Sample ID: WCR-5C (5-7)
Lab Sample ID: 460-235271-2
Date Collected: 05/26/21 12:20
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.6

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**93.6**		1.0	1.0	%			05/28/21 10:23	1

Client Sample ID: WCR-6 (0-8)
Lab Sample ID: 460-235271-3
Date Collected: 05/26/21 12:40
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 95.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Methylnaphthalene	0.35	U	0.35	0.0097	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Acenaphthene	0.35	U	0.35	0.0099	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Acenaphthylene	**0.011**	**J**	0.35	0.0035	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzo[a]anthracene	**0.048**		0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzo[a]pyrene	**0.066**		0.035	0.0093	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzo[b]fluoranthene	**0.081**		0.035	0.0090	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzo[g,h,i]perylene	**0.053**	**J**	0.35	0.010	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Benzo[k]fluoranthene	**0.039**		0.035	0.0068	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Bis(2-ethylhexyl) phthalate	**0.22**	**J**	0.35	0.018	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1

Client Sample ID: WCR-6 (0-8)
Date Collected: 05/26/21 12:40
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-3
Matrix: Solid
Percent Solids: 95.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Chrysene	**0.047**	**J**	0.35	0.0059	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Diethyl phthalate	0.35	U	0.35	0.0050	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Fluoranthene	**0.073**	**J**	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Fluorene	0.35	U	0.35	0.0047	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Indeno[1,2,3-cd]pyrene	**0.053**		0.035	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Naphthalene	**0.016**	**J**	0.35	0.0060	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Phenanthrene	**0.036**	**J**	0.35	0.0061	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1
Pyrene	**0.077**	**J**	0.35	0.0087	mg/Kg	☼	05/27/21 18:07	05/28/21 15:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.29*	*J*	*mg/Kg*	☼	*11.76*		*05/27/21 18:07*	*05/28/21 15:17*	*1*
9-Octadecenamide, (Z)-	*0.31*	*J N*	*mg/Kg*	☼	*12.14*	*301-02-0*	*05/27/21 18:07*	*05/28/21 15:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*10 - 123*	*05/27/21 18:07*	*05/28/21 15:17*	*1*
2-Fluorobiphenyl	*94*		*14 - 103*	*05/27/21 18:07*	*05/28/21 15:17*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 105*	*05/27/21 18:07*	*05/28/21 15:17*	*1*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*	*05/27/21 18:07*	*05/28/21 15:17*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*05/27/21 18:07*	*05/28/21 15:17*	*1*
Terphenyl-d14 (Surr)	*107*		*12 - 126*	*05/27/21 18:07*	*05/28/21 15:17*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/29/21 07:15	05/30/21 00:36	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/29/21 07:15	05/30/21 00:36	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/29/21 07:15	05/30/21 00:36	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/29/21 07:15	05/30/21 00:36	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/29/21 07:15	05/30/21 00:36	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/29/21 07:15	05/30/21 00:36	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/29/21 07:15	05/30/21 00:36	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/29/21 07:15	05/30/21 00:36	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/29/21 07:15	05/30/21 00:36	1

Client Sample ID: WCR-6 (0-8)
Date Collected: 05/26/21 12:40
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-3
Matrix: Solid
Percent Solids: 95.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/29/21 07:15	05/30/21 00:36	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/29/21 07:15	05/30/21 00:36	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		05/29/21 07:15	05/30/21 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*33 - 150*	*05/29/21 07:15*	*05/30/21 00:36*	*1*
2-Fluorobiphenyl	*86*		*42 - 127*	*05/29/21 07:15*	*05/30/21 00:36*	*1*
2-Fluorophenol (Surr)	*68*		*18 - 72*	*05/29/21 07:15*	*05/30/21 00:36*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 137*	*05/29/21 07:15*	*05/30/21 00:36*	*1*
Phenol-d5 (Surr)	*49*		*10 - 50*	*05/29/21 07:15*	*05/30/21 00:36*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 150*	*05/29/21 07:15*	*05/30/21 00:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☼	05/28/21 18:20	05/31/21 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:38*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:38*	*1*
Tetrachloro-m-xylene	*96*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:38*	*1*
Tetrachloro-m-xylene	*90*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/29/21 16:12	06/01/21 06:24	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:24	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/29/21 16:12	06/01/21 06:24	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/29/21 16:12	06/01/21 06:24	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/29/21 16:12	06/01/21 06:24	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:24	1
Toxaphene	**0.00011**	**J**	0.0050	0.00011	mg/L		05/29/21 16:12	06/01/21 06:24	1

Client Sample ID: WCR-6 (0-8)
Date Collected: 05/26/21 12:40
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-3
Matrix: Solid
Percent Solids: 95.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:24*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:24*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:24*	*1*
Tetrachloro-m-xylene	*82*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*37 - 150*	*05/28/21 18:12*	*05/31/21 10:55*	*1*
DCB Decachlorobiphenyl	*119*		*37 - 150*	*05/28/21 18:12*	*05/31/21 10:55*	*1*
Tetrachloro-m-xylene	*117*		*54 - 150*	*05/28/21 18:12*	*05/31/21 10:55*	*1*
Tetrachloro-m-xylene	*118*		*54 - 150*	*05/28/21 18:12*	*05/31/21 10:55*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/27/21 23:29	05/28/21 13:09	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/27/21 23:29	05/28/21 13:09	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/27/21 23:29	05/28/21 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*65 - 150*	*05/27/21 23:29*	*05/28/21 13:09*	*1*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*05/27/21 23:29*	*05/28/21 13:09*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/29/21 16:00	06/01/21 07:25	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/29/21 16:00	06/01/21 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:25*	*1*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:25*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.1	U	2.1	2.1	mg/Kg	☼	05/30/21 15:58	06/01/21 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*40 - 140*	*05/30/21 15:58*	*06/01/21 09:55*	*1*
1-Chlorooctadecane	*100*		*40 - 140*	*05/30/21 15:58*	*06/01/21 09:55*	*1*

Client Sample ID: WCR-6 (0-8)
Date Collected: 05/26/21 12:40
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-3
Matrix: Solid
Percent Solids: 95.0

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/01/21 05:46	06/01/21 18:53	5
Barium	**0.37**	**J**	1.0	0.066	mg/L		06/01/21 05:46	06/01/21 18:53	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/01/21 05:46	06/01/21 18:53	5
Chromium	0.050	U	0.050	0.025	mg/L		06/01/21 05:46	06/01/21 18:53	5
Lead	**0.017**	**J**	0.050	0.012	mg/L		06/01/21 05:46	06/01/21 18:53	5
Selenium	0.10	U	0.10	0.029	mg/L		06/01/21 05:46	06/01/21 18:53	5
Silver	0.050	U	0.050	0.029	mg/L		06/01/21 05:46	06/01/21 18:53	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4470**		21.1	2.7	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Antimony	1.1	U	1.1	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Arsenic	**1.1**		1.1	0.11	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Barium	**31.2**		2.1	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Beryllium	**0.22**	**J**	0.42	0.060	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Calcium	**1520**		105	17.9	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Chromium	**10**		2.1	0.18	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Cobalt	**3.6**		2.1	0.16	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Copper	**13.1**		2.1	0.23	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Iron	**8640**		63.2	21.3	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Lead	**16.4**		0.63	0.21	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Magnesium	**2040**		105	10.7	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Manganese	**239**		4.2	0.42	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Nickel	**7.9**		2.1	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Potassium	**673**		105	11.8	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Silver	1.1	U	1.1	0.094	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Sodium	**268**		105	16.4	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Thallium	**0.055**	**J**	0.42	0.043	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Vanadium	**13.8**		2.1	0.22	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1
Zinc	**24.2**		8.4	2.4	mg/Kg	☼	06/04/21 03:04	06/04/21 11:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 15:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.018	0.0041	mg/Kg	☼	06/02/21 02:59	06/02/21 07:07	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.2**	**HF**			SU			06/04/21 13:03	1
Corrosivity	**9.2**	**HF**			SU			06/04/21 13:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	**0.20**	**J**	0.23	0.13	mg/Kg	☼	05/28/21 16:29	05/29/21 14:32	1
Oil & Grease	**545**	**J**	635	212	mg/Kg	☼	06/02/21 20:30	06/03/21 08:51	1

Client Sample ID: WCR-6 (0-8)
Lab Sample ID: 460-235271-3

Date Collected: 05/26/21 12:40
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 95.0

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/30/21 17:16	1
Cr (III)	**10.0**		2.0	2.0	mg/Kg			06/04/21 15:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:15	06/03/21 17:32	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:10	06/03/21 16:59	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	**5.0**		1.0	1.0	%			05/28/21 10:23	1
Percent Solids	**95.0**		1.0	1.0	%			05/28/21 10:23	1
Total Solids	**94.3**		0.10	0.10	%			05/28/21 10:44	1
Total Volatile Solids	**1.2**		0.10	0.10	%			05/28/21 10:44	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.9**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.4	U	5.4	1.5	mg/L			06/11/21 21:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**103**		10.0	10.0	mg/L			06/01/21 09:43	1

Client Sample ID: WCR-7 (0-8)
Lab Sample ID: 460-235271-4

Date Collected: 05/26/21 13:00
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-7 (0-8)
Date Collected: 05/26/21 13:00
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-4
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzo[a]anthracene	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzo[a]pyrene	0.035	U	0.035	0.0093	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Bis(2-ethylhexyl) phthalate	**0.042**	**J**	0.35	0.019	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Chrysene	0.35	U	0.35	0.0059	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Fluorene	0.35	U	0.35	0.0047	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Phenanthrene	0.35	U	0.35	0.0062	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1

Client Sample ID: WCR-7 (0-8)
Lab Sample ID: 460-235271-4
Date Collected: 05/26/21 13:00
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	05/27/21 18:07	05/28/21 11:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/27/21 18:07*	*05/28/21 11:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*10 - 123*	*05/27/21 18:07*	*05/28/21 11:26*	*1*
2-Fluorobiphenyl	*88*		*14 - 103*	*05/27/21 18:07*	*05/28/21 11:26*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 105*	*05/27/21 18:07*	*05/28/21 11:26*	*1*
Nitrobenzene-d5 (Surr)	*85*		*11 - 104*	*05/27/21 18:07*	*05/28/21 11:26*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*05/27/21 18:07*	*05/28/21 11:26*	*1*
Terphenyl-d14 (Surr)	*108*		*12 - 126*	*05/27/21 18:07*	*05/28/21 11:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/29/21 07:15	05/31/21 02:29	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/29/21 07:15	05/31/21 02:29	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/29/21 07:15	05/31/21 02:29	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/29/21 07:15	05/31/21 02:29	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/29/21 07:15	05/31/21 02:29	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/29/21 07:15	05/31/21 02:29	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/29/21 07:15	05/31/21 02:29	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/29/21 07:15	05/31/21 02:29	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/29/21 07:15	05/31/21 02:29	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/29/21 07:15	05/31/21 02:29	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/29/21 07:15	05/31/21 02:29	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		05/29/21 07:15	05/31/21 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*116*		*33 - 150*	*05/29/21 07:15*	*05/31/21 02:29*	*1*
2-Fluorobiphenyl	*108*		*42 - 127*	*05/29/21 07:15*	*05/31/21 02:29*	*1*
2-Fluorophenol (Surr)	*58*		*18 - 72*	*05/29/21 07:15*	*05/31/21 02:29*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*	*05/29/21 07:15*	*05/31/21 02:29*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*05/29/21 07:15*	*05/31/21 02:29*	*1*
Terphenyl-d14 (Surr)	*112*		*39 - 150*	*05/29/21 07:15*	*05/31/21 02:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-7 (0-8)
Date Collected: 05/26/21 13:00
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-4
Matrix: Solid
Percent Solids: 94.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	05/28/21 18:20	05/31/21 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:53*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*05/28/21 18:20*	*05/31/21 11:53*	*1*
Tetrachloro-m-xylene	*81*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:53*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*05/28/21 18:20*	*05/31/21 11:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/29/21 16:12	06/01/21 06:40	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:40	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/29/21 16:12	06/01/21 06:40	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/29/21 16:12	06/01/21 06:40	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/29/21 16:12	06/01/21 06:40	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 06:40	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/29/21 16:12	06/01/21 06:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:40*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:40*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:40*	*1*
Tetrachloro-m-xylene	*81*		*10 - 150*	*05/29/21 16:12*	*06/01/21 06:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor-1262	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Aroclor 1268	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0097	mg/Kg	☼	05/28/21 18:12	05/31/21 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*37 - 150*	*05/28/21 18:12*	*05/31/21 11:11*	*1*
DCB Decachlorobiphenyl	*117*		*37 - 150*	*05/28/21 18:12*	*05/31/21 11:11*	*1*
Tetrachloro-m-xylene	*116*		*54 - 150*	*05/28/21 18:12*	*05/31/21 11:11*	*1*
Tetrachloro-m-xylene	*117*		*54 - 150*	*05/28/21 18:12*	*05/31/21 11:11*	*1*

Client Sample ID: WCR-7 (0-8)
Date Collected: 05/26/21 13:00
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-4
Matrix: Solid
Percent Solids: 94.5

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	05/27/21 23:29	05/28/21 13:24	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	05/27/21 23:29	05/28/21 13:24	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	05/27/21 23:29	05/28/21 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*05/27/21 23:29*	*05/28/21 13:24*	*1*
2,4-Dichlorophenylacetic acid	*87*		*65 - 150*	*05/27/21 23:29*	*05/28/21 13:24*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/29/21 16:00	06/01/21 07:40	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/29/21 16:00	06/01/21 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:40*	*1*
2,4-Dichlorophenylacetic acid	*70*		*28 - 150*	*05/29/21 16:00*	*06/01/21 07:40*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**45**		2.1	2.1	mg/Kg	☼	05/30/21 15:58	06/01/21 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*122*		*40 - 140*	*05/30/21 15:58*	*06/01/21 10:09*	*1*
1-Chlorooctadecane	*111*		*40 - 140*	*05/30/21 15:58*	*06/01/21 10:09*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/01/21 05:46	06/01/21 18:57	5
Barium	**0.32**	**J**	1.0	0.066	mg/L		06/01/21 05:46	06/01/21 18:57	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/01/21 05:46	06/01/21 18:57	5
Chromium	0.050	U	0.050	0.025	mg/L		06/01/21 05:46	06/01/21 18:57	5
Lead	0.050	U	0.050	0.012	mg/L		06/01/21 05:46	06/01/21 18:57	5
Selenium	0.10	U	0.10	0.029	mg/L		06/01/21 05:46	06/01/21 18:57	5
Silver	0.050	U	0.050	0.029	mg/L		06/01/21 05:46	06/01/21 18:57	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4780**		19.6	2.5	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Antimony	0.98	U	0.98	0.14	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Arsenic	**1.3**		0.98	0.098	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Barium	**33.3**		2.0	0.14	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Beryllium	**0.26**	**J**	0.39	0.056	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Cadmium	0.98	U	0.98	0.11	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Calcium	**1830**		98.0	16.7	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Chromium	**11.2**		2.0	0.17	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Cobalt	**4.2**		2.0	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Copper	**20.9**		2.0	0.22	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Iron	**9350**		58.8	19.8	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Lead	**81.1**		0.59	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Magnesium	**2200**		98.0	10	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Manganese	**216**		3.9	0.39	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1

Client Sample ID: WCR-7 (0-8)
Date Collected: 05/26/21 13:00
Date Received: 05/26/21 18:00

Lab Sample ID: 460-235271-4
Matrix: Solid
Percent Solids: 94.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**9.6**		2.0	0.19	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Potassium	**980**		98.0	11.0	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Selenium	1.2	U	1.2	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Silver	0.98	U	0.98	0.087	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Sodium	**282**		98.0	15.3	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Thallium	**0.076**	**J**	0.39	0.040	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Vanadium	**15.6**		2.0	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1
Zinc	**31.8**		7.8	2.2	mg/Kg	☼	06/04/21 03:04	06/04/21 11:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 15:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.018	0.0042	mg/Kg	☼	06/02/21 02:59	06/02/21 07:09	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**	**HF**			SU			06/04/21 13:05	1
Corrosivity	**9.5**	**HF**			SU			06/04/21 13:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.44	U	0.44	0.15	mg/Kg	☼	05/29/21 02:34	05/30/21 03:25	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	05/28/21 16:29	05/29/21 14:33	1
Oil & Grease	**398**	**J**	619	206	mg/Kg	☼	06/02/21 20:30	06/03/21 08:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/30/21 17:16	1
Cr (III)	**11.2**		2.0	2.0	mg/Kg			06/04/21 15:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:15	06/03/21 17:32	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:10	06/03/21 16:59	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	**5.5**		1.0	1.0	%			05/28/21 10:23	1
Percent Solids	**94.5**		1.0	1.0	%			05/28/21 10:23	1
Total Solids	**93.7**		0.10	0.10	%			05/28/21 10:44	1
Total Volatile Solids	**1.1**		0.10	0.10	%			05/28/21 10:44	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.7**				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.9**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.4	U	5.4	1.5	mg/L			06/11/21 21:29	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:54	1

Client Sample ID: WCR-7 (0-8)
Lab Sample ID: 460-235271-4

Date Collected: 05/26/21 13:00
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1
Total Solids	**113**		10.0	10.0	mg/L			06/01/21 13:27	1

Client Sample ID: WCR-7B (6-8)
Lab Sample ID: 460-235271-5

Date Collected: 05/26/21 13:05
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1

Client Sample ID: WCR-7B (6-8)
Lab Sample ID: 460-235271-5
Date Collected: 05/26/21 13:05
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	05/27/21 17:30	05/29/21 09:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/27/21 17:30*	*05/29/21 09:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*05/27/21 17:30*	*05/29/21 09:37*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*05/27/21 17:30*	*05/29/21 09:37*	*1*
Dibromofluoromethane (Surr)	*113*		*48 - 150*	*05/27/21 17:30*	*05/29/21 09:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*05/27/21 17:30*	*05/29/21 09:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/29/21 18:01	10
1,2-Dichloroethane	0.010	U *	0.010	0.0043	mg/L			05/29/21 18:01	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/29/21 18:01	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/29/21 18:01	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/29/21 18:01	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/29/21 18:01	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/29/21 18:01	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/29/21 18:01	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/29/21 18:01	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/29/21 18:01	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/29/21 18:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*		*05/29/21 18:01*	*10*
4-Bromofluorobenzene	*114*		*76 - 120*		*05/29/21 18:01*	*10*
Dibromofluoromethane (Surr)	*111*		*77 - 124*		*05/29/21 18:01*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/29/21 18:01*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		1.0	1.0	%			05/28/21 10:23	1
Percent Solids	**93.5**		1.0	1.0	%			05/28/21 10:23	1

Client Sample ID: WCR-8 (0-8)
Lab Sample ID: 460-235363-1
Date Collected: 05/27/21 08:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 89.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-8 (0-8)
Date Collected: 05/27/21 08:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-1
Matrix: Solid
Percent Solids: 89.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0067	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Acenaphthylene	**0.015**	**J**	0.37	0.0037	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Anthracene	**0.021**	**J**	0.37	0.011	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzo[a]anthracene	**0.099**		0.037	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzo[a]pyrene	**0.18**		0.037	0.0098	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzo[b]fluoranthene	**0.20**		0.037	0.0095	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzo[g,h,i]perylene	**0.25**	**J**	0.37	0.011	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Benzo[k]fluoranthene	**0.074**		0.037	0.0072	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Bis(2-ethylhexyl) phthalate	**0.035**	**J**	0.37	0.020	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Chrysene	**0.11**	**J**	0.37	0.0062	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Dibenz(a,h)anthracene	**0.077**		0.037	0.016	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Dibenzofuran	**0.014**	**J**	0.37	0.0052	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Diethyl phthalate	0.37	U	0.37	0.0053	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1

Client Sample ID: WCR-8 (0-8)
Date Collected: 05/27/21 08:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-1
Matrix: Solid
Percent Solids: 89.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Fluoranthene	**0.12**	**J**	0.37	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Fluorene	0.37	U	0.37	0.0050	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Hexachlorobutadiene	0.075	U	0.075	0.0078	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Indeno[1,2,3-cd]pyrene	**0.25**		0.037	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Naphthalene	**0.035**	**J**	0.37	0.0064	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Nitrobenzene	0.037	U	0.037	0.0089	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Phenanthrene	**0.068**	**J**	0.37	0.0065	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1
Pyrene	**0.11**	**J**	0.37	0.0092	mg/Kg	☼	05/28/21 18:20	05/31/21 05:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.30*	*A J*	*mg/Kg*	☼	*2.19*		*05/28/21 18:20*	*05/31/21 05:18*	*1*
Unknown	*0.50*	*J*	*mg/Kg*	☼	*12.93*		*05/28/21 18:20*	*05/31/21 05:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*	*05/28/21 18:20*	*05/31/21 05:18*	*1*
2-Fluorobiphenyl	*86*		*14 - 103*	*05/28/21 18:20*	*05/31/21 05:18*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 105*	*05/28/21 18:20*	*05/31/21 05:18*	*1*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*	*05/28/21 18:20*	*05/31/21 05:18*	*1*
Phenol-d5 (Surr)	*84*		*15 - 100*	*05/28/21 18:20*	*05/31/21 05:18*	*1*
Terphenyl-d14 (Surr)	*98*		*12 - 126*	*05/28/21 18:20*	*05/31/21 05:18*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/02/21 09:54	06/03/21 01:54	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/02/21 09:54	06/03/21 01:54	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/02/21 09:54	06/03/21 01:54	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/02/21 09:54	06/03/21 01:54	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/02/21 09:54	06/03/21 01:54	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/02/21 09:54	06/03/21 01:54	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/02/21 09:54	06/03/21 01:54	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/02/21 09:54	06/03/21 01:54	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/02/21 09:54	06/03/21 01:54	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/02/21 09:54	06/03/21 01:54	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/02/21 09:54	06/03/21 01:54	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/02/21 09:54	06/03/21 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*115*		*33 - 150*	*06/02/21 09:54*	*06/03/21 01:54*	*1*
2-Fluorobiphenyl	*88*		*42 - 127*	*06/02/21 09:54*	*06/03/21 01:54*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*06/02/21 09:54*	*06/03/21 01:54*	*1*

Client Sample ID: WCR-8 (0-8)
Date Collected: 05/27/21 08:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-1
Matrix: Solid
Percent Solids: 89.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	103		46 - 137	06/02/21 09:54	06/03/21 01:54	1
Phenol-d5 (Surr)	32		10 - 50	06/02/21 09:54	06/03/21 01:54	1
Terphenyl-d14 (Surr)	113		39 - 150	06/02/21 09:54	06/03/21 01:54	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	05/28/21 18:24	05/31/21 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		10 - 150	05/28/21 18:24	05/31/21 14:52	1
DCB Decachlorobiphenyl	92		10 - 150	05/28/21 18:24	05/31/21 14:52	1
Tetrachloro-m-xylene	99		10 - 133	05/28/21 18:24	05/31/21 14:52	1
Tetrachloro-m-xylene	94		10 - 133	05/28/21 18:24	05/31/21 14:52	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/02/21 13:35	06/03/21 10:04	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 10:04	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/02/21 13:35	06/03/21 10:04	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/02/21 13:35	06/03/21 10:04	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/02/21 13:35	06/03/21 10:04	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 10:04	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/02/21 13:35	06/03/21 10:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		10 - 150	06/02/21 13:35	06/03/21 10:04	1
DCB Decachlorobiphenyl	74		10 - 150	06/02/21 13:35	06/03/21 10:04	1
Tetrachloro-m-xylene	96		10 - 150	06/02/21 13:35	06/03/21 10:04	1
Tetrachloro-m-xylene	90		10 - 150	06/02/21 13:35	06/03/21 10:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-8 (0-8)

Date Collected: 05/27/21 08:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-1

Matrix: Solid
Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.0099	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1221	0.075	U	0.075	0.0099	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1232	0.075	U	0.075	0.0099	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1242	0.075	U	0.075	0.0099	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1248	0.075	U	0.075	0.0099	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1260	0.075	U	0.075	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor-1262	0.075	U	0.075	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Aroclor 1268	0.075	U	0.075	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*05/28/21 18:14*	*05/31/21 14:06*	*1*
DCB Decachlorobiphenyl	*95*		*37 - 150*	*05/28/21 18:14*	*05/31/21 14:06*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/28/21 18:14*	*05/31/21 14:06*	*1*
Tetrachloro-m-xylene	*115*		*54 - 150*	*05/28/21 18:14*	*05/31/21 14:06*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0079	mg/Kg	☼	05/28/21 23:57	05/31/21 10:44	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/28/21 23:57	05/31/21 10:44	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	05/28/21 23:57	05/31/21 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*103*		*65 - 150*	*05/28/21 23:57*	*05/31/21 10:44*	*1*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*	*05/28/21 23:57*	*05/31/21 10:44*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/02/21 22:37	06/03/21 12:03	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/02/21 22:37	06/03/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*71*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:03*	*1*
2,4-Dichlorophenylacetic acid	*76*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:03*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**36**		2.2	2.2	mg/Kg	☼	05/30/21 15:58	06/01/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*138*		*40 - 140*	*05/30/21 15:58*	*06/01/21 12:23*	*1*
1-Chlorooctadecane	*130*		*40 - 140*	*05/30/21 15:58*	*06/01/21 12:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:11	5
Barium	**0.30**	**J**	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:11	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:11	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:11	5
Lead	**0.046**	**J**	0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:11	5

Client Sample ID: WCR-8 (0-8)
Date Collected: 05/27/21 08:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-1
Matrix: Solid
Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:11	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:11	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4110**		20.5	2.7	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Arsenic	**1.5**		1.0	0.10	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Barium	**31.5**		2.0	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Beryllium	**0.25**	**J**	0.41	0.058	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Cadmium	1.0	U	1.0	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Calcium	**1980**		102	17.4	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Chromium	**8.8**		2.0	0.18	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Cobalt	**3.7**		2.0	0.15	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Copper	**63.9**		2.0	0.23	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Iron	**8850**		61.4	20.7	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Lead	**28.4**		0.61	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Magnesium	**2030**		102	10.4	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Manganese	**225**		4.1	0.41	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Nickel	**7.8**		2.0	0.20	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Potassium	**737**		102	11.5	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Silver	1.0	U	1.0	0.091	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Sodium	**195**		102	16.0	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Thallium	**0.073**	**J**	0.41	0.042	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Vanadium	**14.0**		2.0	0.21	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1
Zinc	**29.7**		8.2	2.3	mg/Kg	☼	06/04/21 03:04	06/04/21 12:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.095**		0.018	0.0043	mg/Kg	☼	06/04/21 03:12	06/04/21 07:01	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.0**	**HF**			SU			06/04/21 13:06	1
Corrosivity	**9.0**	**HF**			SU			06/04/21 13:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/07/21 18:31	06/08/21 00:34	1
Cyanide, Total	**2.2**		0.25	0.14	mg/Kg	☼	05/30/21 11:52	06/01/21 13:07	1
Oil & Grease	667	U	667	222	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/02/21 12:58	1
Cr (III)	**8.8**		2.0	2.0	mg/Kg			06/08/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:19	06/03/21 17:32	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:12	06/03/21 16:59	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1

Client Sample ID: WCR-8 (0-8)
Lab Sample ID: 460-235363-1
Date Collected: 05/27/21 08:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 89.7

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.3		1.0	1.0	%			05/29/21 13:40	1
Percent Solids	89.7		1.0	1.0	%			05/29/21 13:40	1
Total Solids	85.5		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	1.0		0.10	0.10	%			06/01/21 09:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.0				S.U.			06/03/21 13:49	1
Temperature	22.0				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.0	J	5.3	1.5	mg/L			06/14/21 17:15	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1
Total Solids	95.0		10.0	10.0	mg/L			06/02/21 14:53	1

Client Sample ID: WCR-9 (0-8)
Lab Sample ID: 460-235363-2
Date Collected: 05/27/21 09:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 90.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.8	U	1.8	0.024	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	0.057	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
1,4-Dioxane	0.18	U	0.18	0.16	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,2'-oxybis[1-chloropropane]	1.8	U	1.8	0.033	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,3,4,6-Tetrachlorophenol	1.8	U	1.8	0.12	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4,5-Trichlorophenol	1.8	U	1.8	0.19	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4,6-Trichlorophenol	0.73	U	0.73	0.23	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4-Dichlorophenol	0.73	U	0.73	0.12	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4-Dimethylphenol	1.8	U	1.8	0.080	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4-Dinitrophenol	1.5	U	1.5	0.90	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,4-Dinitrotoluene	0.37	U	0.37	0.20	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2,6-Dinitrotoluene	0.37	U	0.37	0.13	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Chloronaphthalene	1.8	U	1.8	0.084	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Chlorophenol	1.8	U	1.8	0.065	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Methylnaphthalene	0.064	J	1.8	0.051	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Methylphenol	1.8	U	1.8	0.068	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Nitroaniline	1.8	U	1.8	0.068	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
2-Nitrophenol	1.8	U	1.8	0.18	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
3,3'-Dichlorobenzidine	0.73	U	0.73	0.28	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
3-Nitroaniline	1.8	U	1.8	0.21	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4,6-Dinitro-2-methylphenol	1.5	U	1.5	0.75	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Bromophenyl phenyl ether	1.8	U	1.8	0.072	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-9 (0-8)
Date Collected: 05/27/21 09:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-2
Matrix: Solid
Percent Solids: 90.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	1.8	U	1.8	0.10	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Chloroaniline	1.8	U	1.8	0.32	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Chlorophenyl phenyl ether	1.8	U	1.8	0.064	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Methylphenol	1.8	U	1.8	0.11	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Nitroaniline	1.8	U	1.8	0.21	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
4-Nitrophenol	3.7	U	3.7	0.30	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Acenaphthene	**0.069**	**J**	1.8	0.052	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Acenaphthylene	1.8	U	1.8	0.018	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Acetophenone	1.8	U	1.8	0.090	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Anthracene	**0.14**	**J**	1.8	0.056	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Atrazine	0.73	U	0.73	0.11	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzaldehyde	1.8	U	1.8	0.30	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzo[a]anthracene	**0.28**		0.18	0.064	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzo[a]pyrene	**0.48**		0.18	0.049	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzo[b]fluoranthene	**0.36**		0.18	0.047	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzo[g,h,i]perylene	**3.1**		1.8	0.054	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Benzo[k]fluoranthene	**0.15**	**J**	0.18	0.036	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Bis(2-chloroethoxy)methane	1.8	U	1.8	0.14	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Bis(2-chloroethyl)ether	0.18	U	0.18	0.064	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Bis(2-ethylhexyl) phthalate	**0.18**	**J**	1.8	0.097	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Butyl benzyl phthalate	1.8	U	1.8	0.086	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Caprolactam	1.8	U	1.8	0.28	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Carbazole	1.8	U	1.8	0.070	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Chrysene	**0.31**	**J**	1.8	0.031	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Dibenz(a,h)anthracene	**2.2**		0.18	0.079	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Dibenzofuran	1.8	U	1.8	0.026	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Diethyl phthalate	1.8	U	1.8	0.026	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Dimethyl phthalate	1.8	U	1.8	0.41	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Di-n-butyl phthalate	1.8	U	1.8	0.069	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Di-n-octyl phthalate	1.8	U	1.8	0.097	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Fluoranthene	**0.64**	**J**	1.8	0.064	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Fluorene	**0.086**	**J**	1.8	0.025	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Hexachlorobenzene	0.18	U	0.18	0.087	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Hexachlorobutadiene	0.37	U	0.37	0.039	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Hexachlorocyclopentadiene	1.8	U	1.8	0.16	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Hexachloroethane	0.18	U	0.18	0.063	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Indeno[1,2,3-cd]pyrene	**2.7**		0.18	0.071	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Isophorone	0.73	U	0.73	0.53	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Naphthalene	**0.083**	**J**	1.8	0.032	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Nitrobenzene	0.18	U	0.18	0.044	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
N-Nitrosodi-n-propylamine	0.18	U	0.18	0.13	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
N-Nitrosodiphenylamine	1.8	U	1.8	0.15	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Pentachlorophenol	1.5	U	1.5	0.37	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Phenanthrene	**0.53**	**J**	1.8	0.032	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Phenol	1.8	U	1.8	0.067	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5
Pyrene	**0.55**	**J**	1.8	0.045	mg/Kg	☼	05/28/21 18:20	05/31/21 04:44	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.3*	*J*	*mg/Kg*	☼	*10.77*		*05/28/21 18:20*	*05/31/21 04:44*	*5*
Pregnan-20-one, (5.alpha.)-	*2.7*	*J N*	*mg/Kg*	☼	*12.93*	*848-62-4*	*05/28/21 18:20*	*05/31/21 04:44*	*5*

Client Sample ID: WCR-9 (0-8)
Lab Sample ID: 460-235363-2
Date Collected: 05/27/21 09:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 90.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*	*05/28/21 18:20*	*05/31/21 04:44*	*5*
2-Fluorobiphenyl	*82*		*14 - 103*	*05/28/21 18:20*	*05/31/21 04:44*	*5*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*05/28/21 18:20*	*05/31/21 04:44*	*5*
Nitrobenzene-d5 (Surr)	*78*		*11 - 104*	*05/28/21 18:20*	*05/31/21 04:44*	*5*
Phenol-d5 (Surr)	*80*		*15 - 100*	*05/28/21 18:20*	*05/31/21 04:44*	*5*
Terphenyl-d14 (Surr)	*88*		*12 - 126*	*05/28/21 18:20*	*05/31/21 04:44*	*5*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/02/21 09:54	06/03/21 02:15	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/02/21 09:54	06/03/21 02:15	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/02/21 09:54	06/03/21 02:15	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/02/21 09:54	06/03/21 02:15	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/02/21 09:54	06/03/21 02:15	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/02/21 09:54	06/03/21 02:15	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/02/21 09:54	06/03/21 02:15	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/02/21 09:54	06/03/21 02:15	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/02/21 09:54	06/03/21 02:15	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/02/21 09:54	06/03/21 02:15	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/02/21 09:54	06/03/21 02:15	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/02/21 09:54	06/03/21 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*33 - 150*	*06/02/21 09:54*	*06/03/21 02:15*	*1*
2-Fluorobiphenyl	*78*		*42 - 127*	*06/02/21 09:54*	*06/03/21 02:15*	*1*
2-Fluorophenol (Surr)	*44*		*18 - 72*	*06/02/21 09:54*	*06/03/21 02:15*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 137*	*06/02/21 09:54*	*06/03/21 02:15*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/02/21 09:54*	*06/03/21 02:15*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 150*	*06/02/21 09:54*	*06/03/21 02:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
4,4'-DDE	**0.0035**	**J**	0.0074	0.00087	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1

Client Sample ID: WCR-9 (0-8)
Lab Sample ID: 460-235363-2
Date Collected: 05/27/21 09:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	05/28/21 18:24	05/31/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*05/28/21 18:24*	*05/31/21 15:08*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*05/28/21 18:24*	*05/31/21 15:08*	*1*
Tetrachloro-m-xylene	*86*		*10 - 133*	*05/28/21 18:24*	*05/31/21 15:08*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*05/28/21 18:24*	*05/31/21 15:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/02/21 13:35	06/03/21 10:18	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 10:18	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/02/21 13:35	06/03/21 10:18	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/02/21 13:35	06/03/21 10:18	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/02/21 13:35	06/03/21 10:18	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 10:18	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/02/21 13:35	06/03/21 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*06/02/21 13:35*	*06/03/21 10:18*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*06/02/21 13:35*	*06/03/21 10:18*	*1*
Tetrachloro-m-xylene	*89*		*10 - 150*	*06/02/21 13:35*	*06/03/21 10:18*	*1*
Tetrachloro-m-xylene	*84*		*10 - 150*	*06/02/21 13:35*	*06/03/21 10:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	05/28/21 18:14	05/31/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*37 - 150*	*05/28/21 18:14*	*05/31/21 14:23*	*1*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*05/28/21 18:14*	*05/31/21 14:23*	*1*
Tetrachloro-m-xylene	*92*		*54 - 150*	*05/28/21 18:14*	*05/31/21 14:23*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/28/21 18:14*	*05/31/21 14:23*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	05/28/21 23:57	05/31/21 10:58	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	05/28/21 23:57	05/31/21 10:58	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	05/28/21 23:57	05/31/21 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*	*05/28/21 23:57*	*05/31/21 10:58*	*1*

Client Sample ID: WCR-9 (0-8)
Date Collected: 05/27/21 09:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-2
Matrix: Solid
Percent Solids: 90.6

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*126*		*65 - 150*	*05/28/21 23:57*	*05/31/21 10:58*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/02/21 22:37	06/03/21 12:16	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/02/21 22:37	06/03/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:16*	*1*
2,4-Dichlorophenylacetic acid	*84*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:16*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1000**		22	22	mg/Kg	☼	05/30/21 15:58	06/01/21 12:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*40 - 140*	*05/30/21 15:58*	*06/01/21 12:36*	*10*
1-Chlorooctadecane	*111*		*40 - 140*	*05/30/21 15:58*	*06/01/21 12:36*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:15	5
Barium	**0.44**	**J**	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:15	5
Cadmium	**0.0022**	**J**	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:15	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:15	5
Lead	**0.030**	**J**	0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:15	5
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:15	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:15	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4770**		21.2	2.8	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Antimony	**0.17**	**J**	1.1	0.15	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Arsenic	**3.4**		1.1	0.11	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Barium	**40.7**		2.1	0.15	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Beryllium	**0.23**	**J**	0.42	0.061	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Cadmium	**0.13**	**J**	1.1	0.12	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Calcium	**23800**		106	18.0	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Chromium	**10.7**		2.1	0.18	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Cobalt	**4.2**		2.1	0.16	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Copper	**17.4**		2.1	0.23	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Iron	**9350**		63.7	21.4	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Lead	**40.6**		0.64	0.21	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Magnesium	**6610**		106	10.8	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Manganese	**177**		4.2	0.43	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Nickel	**11.1**		2.1	0.21	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Potassium	**779**		106	11.9	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Silver	1.1	U	1.1	0.094	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Sodium	**276**		106	16.6	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1

Client Sample ID: WCR-9 (0-8)
Date Collected: 05/27/21 09:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-2
Matrix: Solid
Percent Solids: 90.6

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.069**	**J**	0.42	0.044	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Vanadium	**21.5**		2.1	0.22	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1
Zinc	**43.0**		8.5	2.4	mg/Kg	☼	06/03/21 04:15	06/03/21 14:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.018	0.0042	mg/Kg	☼	06/04/21 03:12	06/04/21 07:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**	**HF**			SU			06/04/21 13:08	1
Corrosivity	**9.3**	**HF**			SU			06/04/21 13:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/07/21 18:31	06/08/21 00:34	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	05/30/21 11:52	06/01/21 13:08	1
Oil & Grease	**783**		648	216	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/02/21 13:18	1
Cr (III)	**10.7**		2.0	2.0	mg/Kg			06/08/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:19	06/03/21 17:32	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:12	06/03/21 16:59	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	**9.4**		1.0	1.0	%			05/29/21 13:40	1
Percent Solids	**90.6**		1.0	1.0	%			05/29/21 13:40	1
Total Solids	**89.9**		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	**2.8**		0.10	0.10	%			06/01/21 09:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.5**				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.7**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.2**	**J**	5.3	1.5	mg/L			06/14/21 17:15	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1
Total Solids	**126**		10.0	10.0	mg/L			06/02/21 14:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-8C (5-7)
Date Collected: 05/27/21 08:10
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-3
Matrix: Solid
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00035	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00053	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00042	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
2-Butanone (MEK)	0.0057	U	0.0057	0.00042	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
2-Hexanone	0.0057	U	0.0057	0.0020	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
4-Methyl-2-pentanone (MIBK)	0.0057	U	0.0057	0.0018	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Acetone	0.0069	U	0.0069	0.0066	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Benzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Bromoform	0.0011	U	0.0011	0.00049	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Carbon disulfide	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chloroethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Chloromethane	0.0011	U	0.0011	0.00050	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Ethylbenzene	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Ethylene Dibromide	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Isopropylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00059	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Trichloroethene	0.0011	U	0.0011	0.00037	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1

Client Sample ID: WCR-8C (5-7)
Lab Sample ID: 460-235363-3
Date Collected: 05/27/21 08:10
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1
Vinyl chloride	0.0011	U	0.0011	0.00063	mg/Kg	☼	05/28/21 16:33	06/02/21 14:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/28/21 16:33*	*06/02/21 14:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*05/28/21 16:33*	*06/02/21 14:33*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*	*05/28/21 16:33*	*06/02/21 14:33*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*05/28/21 16:33*	*06/02/21 14:33*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*05/28/21 16:33*	*06/02/21 14:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 10:12	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 10:12	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 10:12	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 10:12	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 10:12	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 10:12	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 10:12	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 10:12	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 10:12	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 10:12	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 10:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*06/04/21 10:12*	*10*
4-Bromofluorobenzene	*86*		*76 - 120*		*06/04/21 10:12*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/04/21 10:12*	*10*
Toluene-d8 (Surr)	*88*		*80 - 120*		*06/04/21 10:12*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		1.0	1.0	%			05/29/21 13:40	1
Percent Solids	**92.5**		1.0	1.0	%			05/29/21 13:40	1

Client Sample ID: WCR-9D (5-7)
Lab Sample ID: 460-235363-4
Date Collected: 05/27/21 09:10
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1

Client Sample ID: WCR-9D (5-7)
Lab Sample ID: 460-235363-4
Date Collected: 05/27/21 09:10
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00049	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Acetone	**0.011**		0.0080	0.0076	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Methyl acetate	0.0067	U	0.0067	0.0057	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Methylene Chloride	**0.0033**		0.0027	0.0015	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Tetrachloroethene	**0.0017**		0.0013	0.00041	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	05/28/21 16:36	06/02/21 14:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1-chloro-4-(trifluoromethyl)-	*0.0072*	*J N*	*mg/Kg*	☼	*8.62*	*98-56-6*	*05/28/21 16:36*	*06/02/21 14:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*	*05/28/21 16:36*	*06/02/21 14:57*	*1*

Client Sample ID: WCR-9D (5-7)
Lab Sample ID: 460-235363-4
Date Collected: 05/27/21 09:10
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 81.6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 139*	*05/28/21 16:36*	*06/02/21 14:57*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*	*05/28/21 16:36*	*06/02/21 14:57*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*05/28/21 16:36*	*06/02/21 14:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 10:35	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 10:35	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 10:35	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 10:35	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 10:35	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 10:35	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 10:35	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 10:35	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 10:35	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 10:35	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 10:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*06/04/21 10:35*	*10*
4-Bromofluorobenzene	*87*		*76 - 120*		*06/04/21 10:35*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/04/21 10:35*	*10*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/04/21 10:35*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.4**		1.0	1.0	%			05/29/21 13:40	1
Percent Solids	**81.6**		1.0	1.0	%			05/29/21 13:40	1

Client Sample ID: WCR-10 (0-8)
Lab Sample ID: 460-235434-1
Date Collected: 05/28/21 08:10
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4-Dimethylphenol	0.35	U	0.35	0.016	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2-Methylnaphthalene	**0.012**	**J**	0.35	0.0099	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-10 (0-8)
Date Collected: 05/28/21 08:10
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-1
Matrix: Solid
Percent Solids: 93.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
2-Nitrophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Chloroaniline	0.35	U *	0.35	0.063	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Acenaphthene	**0.019**	**J**	0.35	0.010	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Acenaphthylene	**0.021**	**J**	0.35	0.0036	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Anthracene	**0.067**	**J**	0.35	0.011	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzo[a]anthracene	**0.20**		0.035	0.012	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzo[a]pyrene	**0.19**		0.035	0.0095	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzo[b]fluoranthene	**0.26**		0.035	0.0092	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzo[g,h,i]perylene	**0.13**	**J**	0.35	0.010	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Benzo[k]fluoranthene	**0.10**		0.035	0.0070	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Bis(2-ethylhexyl) phthalate	**0.10**	**J**	0.35	0.019	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Carbazole	**0.034**	**J**	0.35	0.014	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Chrysene	**0.20**	**J**	0.35	0.0060	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Dibenz(a,h)anthracene	**0.025**	**J**	0.035	0.015	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Dibenzofuran	**0.017**	**J**	0.35	0.0050	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Diethyl phthalate	0.35	U	0.35	0.0052	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Dimethyl phthalate	0.35	U	0.35	0.081	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Fluoranthene	**0.43**		0.35	0.012	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Fluorene	**0.018**	**J**	0.35	0.0048	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.035	0.014	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Naphthalene	**0.016**	**J**	0.35	0.0061	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-10 (0-8)
Date Collected: 05/28/21 08:10
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-1
Matrix: Solid
Percent Solids: 93.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Phenanthrene	**0.25**	**J**	0.35	0.0063	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1
Pyrene	**0.36**		0.35	0.0088	mg/Kg	☼	05/30/21 13:52	06/02/21 04:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.93*	*A J*	*mg/Kg*	☼	*2.20*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.71*	*J*	*mg/Kg*	☼	*7.88*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Octadecane, 1-chloro-	*0.52*	*J N*	*mg/Kg*	☼	*8.71*	*3386-33-2*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
1-Docosene	*0.75*	*J N*	*mg/Kg*	☼	*10.03*	*1599-67-3*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
.gamma.-Tocopherol	*0.61*	*J N*	*mg/Kg*	☼	*10.61*	*7616-22-0*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Heptacosane, 1-chloro-	*0.85*	*J N*	*mg/Kg*	☼	*10.77*	*62016-79-9*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Vitamin E	*0.84*	*J N*	*mg/Kg*	☼	*10.92*	*59-02-9*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.56*	*J*	*mg/Kg*	☼	*11.48*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
17-Pentatriacontene	*0.57*	*J N*	*mg/Kg*	☼	*11.62*	*6971-40-0*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Stigmasterol, 22,23-dihydro-	*4.2*	*J N*	*mg/Kg*	☼	*11.74*	*1000214-20-7*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.79*	*J*	*mg/Kg*	☼	*11.82*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*1.4*	*J*	*mg/Kg*	☼	*11.97*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*1.7*	*J*	*mg/Kg*	☼	*12.05*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Lupeol	*2.6*	*J N*	*mg/Kg*	☼	*12.20*	*545-47-1*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.91*	*J*	*mg/Kg*	☼	*12.28*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Stigmast-4-en-3-one	*1.6*	*J N*	*mg/Kg*	☼	*12.36*	*1058-61-3*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.60*	*J*	*mg/Kg*	☼	*12.43*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*0.76*	*J*	*mg/Kg*	☼	*12.64*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Unknown	*1.0*	*J*	*mg/Kg*	☼	*12.84*		*05/30/21 13:52*	*06/02/21 04:16*	*1*
Friedelan-3-one	*1.9*	*J N*	*mg/Kg*	☼	*12.95*	*559-74-0*	*05/30/21 13:52*	*06/02/21 04:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*10 - 123*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
2-Fluorobiphenyl	*70*		*14 - 103*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 105*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Nitrobenzene-d5 (Surr)	*68*		*11 - 104*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Phenol-d5 (Surr)	*71*		*15 - 100*	*05/30/21 13:52*	*06/02/21 04:16*	*1*
Terphenyl-d14 (Surr)	*78*		*12 - 126*	*05/30/21 13:52*	*06/02/21 04:16*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/03/21 09:58	06/04/21 01:30	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/03/21 09:58	06/04/21 01:30	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/03/21 09:58	06/04/21 01:30	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/03/21 09:58	06/04/21 01:30	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/03/21 09:58	06/04/21 01:30	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/03/21 09:58	06/04/21 01:30	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/03/21 09:58	06/04/21 01:30	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/03/21 09:58	06/04/21 01:30	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/03/21 09:58	06/04/21 01:30	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/03/21 09:58	06/04/21 01:30	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/03/21 09:58	06/04/21 01:30	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/03/21 09:58	06/04/21 01:30	1

Client Sample ID: WCR-10 (0-8)
Date Collected: 05/28/21 08:10
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-1
Matrix: Solid
Percent Solids: 93.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		33 - 150	06/03/21 09:58	06/04/21 01:30	1
2-Fluorobiphenyl	86		42 - 127	06/03/21 09:58	06/04/21 01:30	1
2-Fluorophenol (Surr)	47		18 - 72	06/03/21 09:58	06/04/21 01:30	1
Nitrobenzene-d5 (Surr)	99		46 - 137	06/03/21 09:58	06/04/21 01:30	1
Phenol-d5 (Surr)	27		10 - 50	06/03/21 09:58	06/04/21 01:30	1
Terphenyl-d14 (Surr)	87		39 - 150	06/03/21 09:58	06/04/21 01:30	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/30/21 15:52	06/01/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	1728	*	10 - 150	05/30/21 15:52	06/01/21 13:18	1
DCB Decachlorobiphenyl	103		10 - 150	05/30/21 15:52	06/01/21 13:18	1
Tetrachloro-m-xylene	101		10 - 133	05/30/21 15:52	06/01/21 13:18	1
Tetrachloro-m-xylene	109		10 - 133	05/30/21 15:52	06/01/21 13:18	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 06:54	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 06:54	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 06:54	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 06:54	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 06:54	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 06:54	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 06:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		10 - 150	06/03/21 10:13	06/04/21 06:54	1
DCB Decachlorobiphenyl	85		10 - 150	06/03/21 10:13	06/04/21 06:54	1
Tetrachloro-m-xylene	86		10 - 150	06/03/21 10:13	06/04/21 06:54	1
Tetrachloro-m-xylene	75		10 - 150	06/03/21 10:13	06/04/21 06:54	1

Client Sample ID: WCR-10 (0-8)
Date Collected: 05/28/21 08:10
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-1
Matrix: Solid
Percent Solids: 93.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1260	0.072	U	0.072	0.0099	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.0099	mg/Kg	☼	05/30/21 15:48	06/01/21 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*37 - 150*	*05/30/21 15:48*	*06/01/21 17:31*	*1*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*05/30/21 15:48*	*06/01/21 17:31*	*1*
Tetrachloro-m-xylene	*85*		*54 - 150*	*05/30/21 15:48*	*06/01/21 17:31*	*1*
Tetrachloro-m-xylene	*115*		*54 - 150*	*05/30/21 15:48*	*06/01/21 17:31*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	06/03/21 22:42	06/04/21 12:57	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/03/21 22:42	06/04/21 12:57	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	06/03/21 22:42	06/04/21 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*06/03/21 22:42*	*06/04/21 12:57*	*1*
2,4-Dichlorophenylacetic acid	*95*		*65 - 150*	*06/03/21 22:42*	*06/04/21 12:57*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/03/21 22:41	06/04/21 11:08	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/03/21 22:41	06/04/21 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:08*	*1*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:08*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**560**		2.1	2.1	mg/Kg	☼	06/01/21 10:24	06/02/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*40 - 140*	*06/01/21 10:24*	*06/02/21 15:52*	*1*
1-Chlorooctadecane	*122*		*40 - 140*	*06/01/21 10:24*	*06/02/21 15:52*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:19	5
Barium	**0.60**	**J**	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:19	5
Cadmium	**0.0043**	**J**	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:19	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:19	5
Lead	**15.8**		0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:19	5

Client Sample ID: WCR-10 (0-8)
Date Collected: 05/28/21 08:10
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-1
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:19	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:19	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6390**		19.7	2.6	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Antimony	**0.20**	**J**	0.99	0.14	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Arsenic	**2.9**		0.99	0.099	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Barium	**51.1**		2.0	0.14	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Beryllium	**0.31**	**J**	0.39	0.056	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Cadmium	**0.85**	**J**	0.99	0.11	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Calcium	**33900**		98.6	16.8	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Chromium	**15.9**		2.0	0.17	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Cobalt	**5.7**		2.0	0.15	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Copper	**34.4**		2.0	0.22	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Iron	**12100**		59.2	19.9	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Lead	**109**		0.59	0.20	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Magnesium	**10100**		98.6	10.1	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Manganese	**211**		3.9	0.40	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Nickel	**14.7**		2.0	0.19	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Potassium	**1100**		98.6	11.0	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Selenium	**0.13**	**J**	1.2	0.12	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Silver	0.99	U	0.99	0.088	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Sodium	**320**		98.6	15.4	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Thallium	**0.088**	**J**	0.39	0.040	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Vanadium	**24.2**		2.0	0.20	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1
Zinc	**195**		7.9	2.3	mg/Kg	☼	06/04/21 03:08	06/04/21 14:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**		0.017	0.0040	mg/Kg	☼	06/04/21 03:12	06/04/21 07:39	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.4**	**HF**			SU			06/04/21 13:26	1
Corrosivity	**10.4**	**HF**			SU			06/04/21 13:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.46	U	0.46	0.15	mg/Kg	☼	06/07/21 22:14	06/08/21 00:34	1
Cyanide, Total	**0.18**	**J**	0.26	0.14	mg/Kg	☼	06/04/21 09:45	06/04/21 17:21	1
Oil & Grease	**4560**		639	213	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/02/21 13:18	1
Cr (III)	**15.9**		2.0	2.0	mg/Kg			06/08/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/04/21 16:31	06/04/21 16:36	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/04/21 16:27	06/04/21 16:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1

Client Sample ID: WCR-10 (0-8)
Lab Sample ID: 460-235434-1

Date Collected: 05/28/21 08:10
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.0

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.0		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	93.0		1.0	1.0	%			06/01/21 10:12	1
Total Solids	94.3		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	2.7		0.10	0.10	%			06/01/21 09:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.7				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.1				S.U.			06/03/21 13:49	1
Temperature	22.0				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.4	J	5.3	1.5	mg/L			06/14/21 17:15	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1
Total Solids	141		10.0	10.0	mg/L			06/02/21 14:53	1

Client Sample ID: WCR-10D (6-8)
Lab Sample ID: 460-235434-2

Date Collected: 05/28/21 08:15
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
2-Hexanone	0.0054	U	0.0054	0.0018	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Bromomethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1

Client Sample ID: WCR-10D (6-8)
Date Collected: 05/28/21 08:15
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-2
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	05/30/21 05:37	06/02/21 19:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/30/21 05:37*	*06/02/21 19:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*05/30/21 05:37*	*06/02/21 19:08*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*05/30/21 05:37*	*06/02/21 19:08*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*	*05/30/21 05:37*	*06/02/21 19:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*05/30/21 05:37*	*06/02/21 19:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 11:43	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 11:43	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 11:43	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 11:43	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 11:43	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 11:43	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 11:43	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 11:43	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 11:43	10

Client Sample ID: WCR-10D (6-8)
Lab Sample ID: 460-235434-2
Date Collected: 05/28/21 08:15
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 11:43	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 11:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*06/04/21 11:43*	*10*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/04/21 11:43*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/04/21 11:43*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/04/21 11:43*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.9**		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	**81.1**		1.0	1.0	%			06/01/21 10:12	1

Client Sample ID: WCR-11 (0-8)
Lab Sample ID: 460-235434-3
Date Collected: 05/28/21 08:40
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 91.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Methylnaphthalene	**0.013**	**J**	0.36	0.010	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Chloroaniline	0.36	U *	0.36	0.064	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Acenaphthene	**0.034**	**J**	0.36	0.010	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Acenaphthylene	**0.014**	**J**	0.36	0.0036	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-11 (0-8)
Date Collected: 05/28/21 08:40
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-3
Matrix: Solid
Percent Solids: 91.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Anthracene	**0.14**	**J**	0.36	0.011	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzo[a]anthracene	**0.82**		0.036	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzo[a]pyrene	**0.92**		0.036	0.0096	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzo[b]fluoranthene	**1.1**		0.036	0.0093	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzo[g,h,i]perylene	**0.57**		0.36	0.011	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Benzo[k]fluoranthene	**0.44**		0.036	0.0071	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Carbazole	**0.051**	**J**	0.36	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Chrysene	**0.72**		0.36	0.0061	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Dibenz(a,h)anthracene	**0.14**		0.036	0.016	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Dibenzofuran	**0.021**	**J**	0.36	0.0051	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Fluoranthene	**1.4**		0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Fluorene	**0.033**	**J**	0.36	0.0049	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Indeno[1,2,3-cd]pyrene	**0.59**		0.036	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Naphthalene	**0.047**	**J**	0.36	0.0062	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Phenanthrene	**0.55**		0.36	0.0063	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1
Pyrene	**1.3**		0.36	0.0090	mg/Kg	☼	05/30/21 13:52	05/31/21 03:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.41*	*A J*	*mg/Kg*	☼	*2.67*		*05/30/21 13:52*	*05/31/21 03:53*	*1*
Benzo[e]pyrene	*0.59*	*J N*	*mg/Kg*	☼	*12.77*	*192-97-2*	*05/30/21 13:52*	*05/31/21 03:53*	*1*
Dibenz(a,e)aceanthrylene	*0.29*	*J N*	*mg/Kg*	☼	*16.92*	*5385-75-1*	*05/30/21 13:52*	*05/31/21 03:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 123*	*05/30/21 13:52*	*05/31/21 03:53*	*1*
2-Fluorobiphenyl	*64*		*14 - 103*	*05/30/21 13:52*	*05/31/21 03:53*	*1*
2-Fluorophenol (Surr)	*62*		*10 - 105*	*05/30/21 13:52*	*05/31/21 03:53*	*1*
Nitrobenzene-d5 (Surr)	*63*		*11 - 104*	*05/30/21 13:52*	*05/31/21 03:53*	*1*
Phenol-d5 (Surr)	*65*		*15 - 100*	*05/30/21 13:52*	*05/31/21 03:53*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-11 (0-8)
Date Collected: 05/28/21 08:40
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-3
Matrix: Solid
Percent Solids: 91.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*69*		*12 - 126*	*05/30/21 13:52*	*05/31/21 03:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/03/21 09:58	06/04/21 01:52	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/03/21 09:58	06/04/21 01:52	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/03/21 09:58	06/04/21 01:52	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/03/21 09:58	06/04/21 01:52	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/03/21 09:58	06/04/21 01:52	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/03/21 09:58	06/04/21 01:52	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/03/21 09:58	06/04/21 01:52	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/03/21 09:58	06/04/21 01:52	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/03/21 09:58	06/04/21 01:52	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/03/21 09:58	06/04/21 01:52	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/03/21 09:58	06/04/21 01:52	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/03/21 09:58	06/04/21 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*86*		*33 - 150*	*06/03/21 09:58*	*06/04/21 01:52*	*1*
2-Fluorobiphenyl	*65*		*42 - 127*	*06/03/21 09:58*	*06/04/21 01:52*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*06/03/21 09:58*	*06/04/21 01:52*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*	*06/03/21 09:58*	*06/04/21 01:52*	*1*
Phenol-d5 (Surr)	*24*		*10 - 50*	*06/03/21 09:58*	*06/04/21 01:52*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 150*	*06/03/21 09:58*	*06/04/21 01:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	05/30/21 15:52	06/01/21 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*183*	*	*10 - 150*	*05/30/21 15:52*	*06/01/21 13:34*	*1*

Client Sample ID: WCR-11 (0-8)
Date Collected: 05/28/21 08:40
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-3
Matrix: Solid
Percent Solids: 91.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*05/30/21 15:52*	*06/01/21 13:34*	*1*
Tetrachloro-m-xylene	*84*		*10 - 133*	*05/30/21 15:52*	*06/01/21 13:34*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*05/30/21 15:52*	*06/01/21 13:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 07:09	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 07:09	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 07:09	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 07:09	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 07:09	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 07:09	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*06/03/21 10:13*	*06/04/21 07:09*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 150*	*06/03/21 10:13*	*06/04/21 07:09*	*1*
Tetrachloro-m-xylene	*81*		*10 - 150*	*06/03/21 10:13*	*06/04/21 07:09*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*06/03/21 10:13*	*06/04/21 07:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0097	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1221	0.073	U	0.073	0.0097	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1232	0.073	U	0.073	0.0097	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1242	0.073	U	0.073	0.0097	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1248	0.073	U	0.073	0.0097	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1260	0.073	U	0.073	0.010	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor-1262	0.073	U	0.073	0.010	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Aroclor 1268	0.073	U	0.073	0.010	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.010	mg/Kg	☼	05/30/21 15:48	06/01/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*05/30/21 15:48*	*06/01/21 17:48*	*1*
DCB Decachlorobiphenyl	*90*		*37 - 150*	*05/30/21 15:48*	*06/01/21 17:48*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/30/21 15:48*	*06/01/21 17:48*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*05/30/21 15:48*	*06/01/21 17:48*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/03/21 22:42	06/04/21 13:12	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/03/21 22:42	06/04/21 13:12	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/03/21 22:42	06/04/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*06/03/21 22:42*	*06/04/21 13:12*	*1*
2,4-Dichlorophenylacetic acid	*87*		*65 - 150*	*06/03/21 22:42*	*06/04/21 13:12*	*1*

Client Sample ID: WCR-11 (0-8)
Date Collected: 05/28/21 08:40
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-3
Matrix: Solid
Percent Solids: 91.9

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/03/21 22:41	06/04/21 11:21	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/03/21 22:41	06/04/21 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*62*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:21*	*1*
2,4-Dichlorophenylacetic acid	*67*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:21*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**28**		2.2	2.2	mg/Kg	☼	06/01/21 10:24	06/03/21 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*40 - 140*	*06/01/21 10:24*	*06/03/21 09:32*	*1*
1-Chlorooctadecane	*110*		*40 - 140*	*06/01/21 10:24*	*06/03/21 09:32*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:23	5
Barium	**0.39**	**J**	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:23	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:23	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:23	5
Lead	**0.084**		0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:23	5
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:23	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:23	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9330**		20.7	2.7	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Arsenic	**2.8**		1.0	0.10	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Barium	**49.2**		2.1	0.15	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Beryllium	**0.57**		0.41	0.059	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Cadmium	**0.18**	**J**	1.0	0.12	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Calcium	**4860**		104	17.6	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Chromium	**16.6**		2.1	0.18	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Cobalt	**7.1**		2.1	0.15	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Copper	**27.7**		2.1	0.23	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Iron	**14900**		62.2	20.9	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Lead	**74.8**		0.62	0.21	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Magnesium	**2800**		104	10.6	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Manganese	**363**		4.1	0.42	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Nickel	**13.7**		2.1	0.20	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Potassium	**841**		104	11.6	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Selenium	**0.26**	**J**	1.3	0.12	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Silver	1.0	U	1.0	0.092	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Sodium	**249**		104	16.2	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Thallium	**0.11**	**J**	0.41	0.042	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Vanadium	**25.6**		2.1	0.21	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1
Zinc	**63.2**		8.3	2.4	mg/Kg	☼	06/04/21 03:08	06/04/21 14:05	1

Client Sample ID: WCR-11 (0-8)
Lab Sample ID: 460-235434-3

Date Collected: 05/28/21 08:40
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 91.9

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.017	0.0039	mg/Kg	☼	06/04/21 03:12	06/04/21 07:40	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**			SU			06/04/21 13:27	1
Corrosivity	**8.2**	**HF**			SU			06/04/21 13:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.65**		0.48	0.16	mg/Kg	☼	06/07/21 22:14	06/08/21 00:34	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	06/04/21 09:45	06/04/21 17:22	1
Oil & Grease	**376**	**J**	653	218	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/02/21 13:18	1
Cr (III)	**16.0**		2.0	2.0	mg/Kg			06/08/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/04/21 16:31	06/04/21 16:36	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/04/21 16:27	06/04/21 16:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	**8.1**		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	**91.9**		1.0	1.0	%			06/01/21 10:12	1
Total Solids	**86.8**		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	**2.2**		0.10	0.10	%			06/01/21 09:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.8**				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.1**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.4**	**J**	5.3	1.5	mg/L			06/14/21 17:15	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**28.4**		10.0	10.0	mg/Kg			06/04/21 20:16	1
Total Solids	**294**		10.0	10.0	mg/L			06/02/21 14:53	1

Client Sample ID: WCR-11A (5-7)
Lab Sample ID: 460-235434-4

Date Collected: 05/28/21 08:45
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-11A (5-7)
Date Collected: 05/28/21 08:45
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00042	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
2-Butanone (MEK)	0.0057	U	0.0057	0.00042	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
2-Hexanone	0.0057	U	0.0057	0.0020	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
4-Methyl-2-pentanone (MIBK)	0.0057	U	0.0057	0.0018	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Acetone	0.0068	U	0.0068	0.0065	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Bromomethane	0.0023	U *	0.0023	0.0011	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chloroethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Chloromethane	0.0011	U	0.0011	0.00050	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00039	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Ethylbenzene	0.0011	U	0.0011	0.00023	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Ethylene Dibromide	0.0011	U	0.0011	0.00021	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
m-Xylene & p-Xylene	**0.00020**	**J**	0.0011	0.00020	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Toluene	**0.00039**	**J**	0.0011	0.00027	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Trichloroethene	0.0011	U	0.0011	0.00037	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	05/30/21 05:37	06/02/21 19:31	1

Client Sample ID: WCR-11A (5-7)
Lab Sample ID: 460-235434-4

Date Collected: 05/28/21 08:45
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 86.0

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			05/30/21 05:37	06/02/21 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 145	05/30/21 05:37	06/02/21 19:31	1
4-Bromofluorobenzene	103		70 - 139	05/30/21 05:37	06/02/21 19:31	1
Dibromofluoromethane (Surr)	111		48 - 150	05/30/21 05:37	06/02/21 19:31	1
Toluene-d8 (Surr)	99		80 - 120	05/30/21 05:37	06/02/21 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 12:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 12:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 12:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 12:06	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 12:06	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 12:06	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 12:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 12:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 12:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 12:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 12:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		06/04/21 12:06	10
4-Bromofluorobenzene	87		76 - 120		06/04/21 12:06	10
Dibromofluoromethane (Surr)	95		77 - 124		06/04/21 12:06	10
Toluene-d8 (Surr)	88		80 - 120		06/04/21 12:06	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.0**		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	**86.0**		1.0	1.0	%			06/01/21 10:12	1

Client Sample ID: WCR-12 (0-8)
Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4-Dimethylphenol	0.35	U	0.35	0.016	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-12 (0-8)
Date Collected: 05/28/21 10:20
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-5
Matrix: Solid
Percent Solids: 93.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Chloroaniline	0.35	U *	0.35	0.063	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Acenaphthylene	0.35	U	0.35	0.0036	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzo[a]anthracene	0.035	U	0.035	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0092	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Bis(2-ethylhexyl) phthalate	**0.050**	**J**	0.35	0.019	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Chrysene	0.35	U	0.35	0.0060	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Dibenzofuran	0.35	U	0.35	0.0050	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Fluorene	0.35	U	0.35	0.0048	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Hexachlorobutadiene	0.072	U	0.072	0.0075	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Naphthalene	**0.028**	**J**	0.35	0.0061	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1

Client Sample ID: WCR-12 (0-8)
Date Collected: 05/28/21 10:20
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-5
Matrix: Solid
Percent Solids: 93.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Pentachlorophenol	0.28	U	0.28	0.073	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Phenanthrene	0.35	U	0.35	0.0062	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1
Pyrene	0.35	U	0.35	0.0088	mg/Kg	☼	05/30/21 13:52	05/31/21 00:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.46*	*A J*	*mg/Kg*	☼	*2.67*		*05/30/21 13:52*	*05/31/21 00:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 123*	*05/30/21 13:52*	*05/31/21 00:24*	*1*
2-Fluorobiphenyl	*66*		*14 - 103*	*05/30/21 13:52*	*05/31/21 00:24*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 105*	*05/30/21 13:52*	*05/31/21 00:24*	*1*
Nitrobenzene-d5 (Surr)	*69*		*11 - 104*	*05/30/21 13:52*	*05/31/21 00:24*	*1*
Phenol-d5 (Surr)	*71*		*15 - 100*	*05/30/21 13:52*	*05/31/21 00:24*	*1*
Terphenyl-d14 (Surr)	*79*		*12 - 126*	*05/30/21 13:52*	*05/31/21 00:24*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/03/21 09:58	06/04/21 02:13	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/03/21 09:58	06/04/21 02:13	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/03/21 09:58	06/04/21 02:13	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/03/21 09:58	06/04/21 02:13	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/03/21 09:58	06/04/21 02:13	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/03/21 09:58	06/04/21 02:13	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/03/21 09:58	06/04/21 02:13	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/03/21 09:58	06/04/21 02:13	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/03/21 09:58	06/04/21 02:13	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/03/21 09:58	06/04/21 02:13	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/03/21 09:58	06/04/21 02:13	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/03/21 09:58	06/04/21 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*33 - 150*	*06/03/21 09:58*	*06/04/21 02:13*	*1*
2-Fluorobiphenyl	*66*		*42 - 127*	*06/03/21 09:58*	*06/04/21 02:13*	*1*
2-Fluorophenol (Surr)	*33*		*18 - 72*	*06/03/21 09:58*	*06/04/21 02:13*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 137*	*06/03/21 09:58*	*06/04/21 02:13*	*1*
Phenol-d5 (Surr)	*17*		*10 - 50*	*06/03/21 09:58*	*06/04/21 02:13*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 150*	*06/03/21 09:58*	*06/04/21 02:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1

Client Sample ID: WCR-12 (0-8)
Lab Sample ID: 460-235434-5
Date Collected: 05/28/21 10:20
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	05/30/21 15:52	06/01/21 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*249*	*	*10 - 150*	*05/30/21 15:52*	*06/01/21 13:50*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*05/30/21 15:52*	*06/01/21 13:50*	*1*
Tetrachloro-m-xylene	*84*		*10 - 133*	*05/30/21 15:52*	*06/01/21 13:50*	*1*
Tetrachloro-m-xylene	*81*		*10 - 133*	*05/30/21 15:52*	*06/01/21 13:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 06:39	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 06:39	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 06:39	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 06:39	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 06:39	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 06:39	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*10 - 150*	*06/03/21 10:13*	*06/04/21 06:39*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/03/21 10:13*	*06/04/21 06:39*	*1*
Tetrachloro-m-xylene	*99*		*10 - 150*	*06/03/21 10:13*	*06/04/21 06:39*	*1*
Tetrachloro-m-xylene	*91*		*10 - 150*	*06/03/21 10:13*	*06/04/21 06:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0095	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1221	0.072	U	0.072	0.0095	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1232	0.072	U	0.072	0.0095	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1242	0.072	U	0.072	0.0095	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1248	0.072	U	0.072	0.0095	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1254	0.072	U	0.072	0.0098	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1260	0.072	U	0.072	0.0098	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor-1262	0.072	U	0.072	0.0098	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Aroclor 1268	0.072	U	0.072	0.0098	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.0098	mg/Kg	☼	05/30/21 15:48	06/01/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*37 - 150*	*05/30/21 15:48*	*06/01/21 18:05*	*1*

Client Sample ID: WCR-12 (0-8)
Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*05/30/21 15:48*	*06/01/21 18:05*	*1*
Tetrachloro-m-xylene	*99*		*54 - 150*	*05/30/21 15:48*	*06/01/21 18:05*	*1*
Tetrachloro-m-xylene	*113*		*54 - 150*	*05/30/21 15:48*	*06/01/21 18:05*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	06/03/21 22:42	06/04/21 13:27	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/03/21 22:42	06/04/21 13:27	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	06/03/21 22:42	06/04/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*	*06/03/21 22:42*	*06/04/21 13:27*	*1*
2,4-Dichlorophenylacetic acid	*91*		*65 - 150*	*06/03/21 22:42*	*06/04/21 13:27*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/03/21 22:41	06/04/21 11:35	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/03/21 22:41	06/04/21 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:35*	*1*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*06/03/21 22:41*	*06/04/21 11:35*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**100**		2.1	2.1	mg/Kg	☼	06/01/21 10:24	06/02/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*40 - 140*	*06/01/21 10:24*	*06/02/21 16:23*	*1*
1-Chlorooctadecane	*123*		*40 - 140*	*06/01/21 10:24*	*06/02/21 16:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:28	5
Barium	**0.25**	**J**	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:28	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:28	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:28	5
Lead	0.050	U	0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:28	5
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:28	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:28	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6270**		21.4	2.8	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Arsenic	**2.0**		1.1	0.11	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Barium	**31.6**		2.1	0.16	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Beryllium	**0.34**	**J**	0.43	0.061	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Cadmium	**0.20**	**J**	1.1	0.12	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Calcium	**1580**		107	18.2	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Chromium	**12.7**		2.1	0.19	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1

Client Sample ID: WCR-12 (0-8)
Date Collected: 05/28/21 10:20
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-5
Matrix: Solid
Percent Solids: 93.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**4.7**		2.1	0.16	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Copper	**14.0**		2.1	0.24	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Iron	**11200**		64.2	21.6	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Lead	**11.5**		0.64	0.21	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Magnesium	**2560**		107	10.9	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Manganese	**246**		4.3	0.43	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Nickel	**11.1**		2.1	0.21	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Potassium	**775**		107	12.0	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Silver	1.1	U	1.1	0.095	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Sodium	**323**		107	16.7	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Thallium	**0.076**	**J**	0.43	0.044	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Vanadium	**17.1**		2.1	0.22	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1
Zinc	**30.2**		8.6	2.5	mg/Kg	☼	06/04/21 03:08	06/04/21 13:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.018	0.0042	mg/Kg	☼	06/04/21 03:12	06/04/21 07:35	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**	**HF**			SU			06/04/21 13:28	1
Corrosivity	**8.7**	**HF**			SU			06/04/21 13:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.44	U	0.44	0.15	mg/Kg	☼	06/07/21 22:14	06/08/21 00:34	1
Cyanide, Total	0.25	U	0.25	0.13	mg/Kg	☼	06/04/21 09:45	06/04/21 17:23	1
Oil & Grease	**272**	**J**	627	209	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/02/21 13:18	1
Cr (III)	**12.7**		2.0	2.0	mg/Kg			06/08/21 07:00	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/04/21 16:31	06/04/21 16:36	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/04/21 16:27	06/04/21 16:34	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/03/21 10:02	1
Percent Moisture	**6.6**		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	**93.4**		1.0	1.0	%			06/01/21 10:12	1
Total Solids	**87.6**		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	**1.2**		0.10	0.10	%			06/01/21 09:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.1**				S.U.			06/03/21 13:49	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.9**				S.U.			06/03/21 13:49	1
Temperature	**22.0**				Degrees C			06/03/21 13:49	1

Client Sample ID: WCR-12 (0-8)
Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.4

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.9**	**J**	5.3	1.5	mg/L			06/14/21 17:15	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1
Total Solids	**123**		10.0	10.0	mg/L			06/02/21 14:53	1

Client Sample ID: WCR-12A (5-7)
Lab Sample ID: 460-235434-6

Date Collected: 05/28/21 10:25
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
2-Hexanone	0.0059	U	0.0059	0.0020	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
4-Methyl-2-pentanone (MIBK)	0.0059	U	0.0059	0.0018	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Bromomethane	0.0024	U *	0.0024	0.0012	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Methyl acetate	0.0059	U	0.0059	0.0051	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-12A (5-7)

Date Collected: 05/28/21 10:25
Date Received: 05/28/21 19:00

Lab Sample ID: 460-235434-6

Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Methylcyclohexane	0.0012	U	0.0012	0.00059	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Methylene Chloride	0.0024	U	0.0024	0.0013	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	05/30/21 06:29	06/02/21 19:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*05/30/21 06:29*	*06/02/21 19:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*	*05/30/21 06:29*	*06/02/21 19:55*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*05/30/21 06:29*	*06/02/21 19:55*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*05/30/21 06:29*	*06/02/21 19:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/30/21 06:29*	*06/02/21 19:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 12:28	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 12:28	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 12:28	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 12:28	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 12:28	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 12:28	10
Chlorobenzene	**0.0049**	**J**	0.010	0.0038	mg/L			06/04/21 12:28	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 12:28	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 12:28	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 12:28	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 12:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/04/21 12:28*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/04/21 12:28*	*10*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/04/21 12:28*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/04/21 12:28*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		1.0	1.0	%			06/01/21 10:12	1
Percent Solids	**90.2**		1.0	1.0	%			06/01/21 10:12	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-235054-5	WCR-4D (5-7)	89	106	102	97
460-235054-6	WCR-3C (5-7)	93	112	105	100
460-235054-7	WCR-6B (5-7)	86	106	99	97
460-235271-2	WCR-5C (5-7)	94	111	108	102
460-235271-5	WCR-7B (6-8)	102	112	113	103
460-235363-3	WCR-8C (5-7)	102	105	111	102
460-235363-4	WCR-9D (5-7)	103	101	100	102
460-235434-2	WCR-10D (6-8)	106	108	114	102
460-235434-4	WCR-11A (5-7)	103	103	111	99
460-235434-6	WCR-12A (5-7)	100	104	111	100
LB3 460-780271/1-A	Method Blank	89	106	104	100
LB3 460-780789/1-A	Method Blank	99	110	110	106
LB3 460-781038/2-A	Method Blank	103	104	111	95
LB3 460-781286/2-A	Method Blank	105	110	116	110
LCS 460-780344/4	Lab Control Sample	88	108	103	101
LCS 460-781145/3	Lab Control Sample	94	103	100	98
LCS 460-781741/3	Lab Control Sample	104	105	105	100
LCS 460-781753/4	Lab Control Sample	101	106	107	103
LCSD 460-780344/5	Lab Control Sample Dup	90	112	106	103
LCSD 460-781145/4	Lab Control Sample Dup	101	111	107	107
LCSD 460-781741/4	Lab Control Sample Dup	117	115	118	111
LCSD 460-781753/5	Lab Control Sample Dup	98	106	106	105
MB 460-780344/8	Method Blank	89	105	103	98
MB 460-781145/7	Method Blank	97	106	107	100
MB 460-781741/8	Method Blank	105	105	111	95
MB 460-781753/8	Method Blank	102	107	111	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-780934/3	Lab Control Sample	104	109	105	99
LCS 460-781155/3	Lab Control Sample	122	112	110	92
LCS 460-781159/5	Lab Control Sample	92	102	102	90
LCS 460-781950/4	Lab Control Sample	87	91	90	91
LCS 460-782178/4	Lab Control Sample	91	90	94	91
LCSD 460-780934/4	Lab Control Sample Dup	105	108	106	100
LCSD 460-781155/4	Lab Control Sample Dup	119	116	111	93
LCSD 460-781159/6	Lab Control Sample Dup	89	100	100	91
LCSD 460-781950/5	Lab Control Sample Dup	86	92	89	91
LCSD 460-782178/5	Lab Control Sample Dup	93	94	95	95
MB 460-780934/8	Method Blank	102	105	106	101

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
MB 460-781155/7	Method Blank	122	113	110	90
MB 460-781159/9	Method Blank	95	105	108	92
MB 460-781950/9	Method Blank	93	90	94	92
MB 460-782178/9	Method Blank	94	92	96	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-235054-5	WCR-4D (5-7)	100	103	107	101
460-235054-6	WCR-3C (5-7)	104	101	109	101
460-235054-7	WCR-6B (5-7)	104	102	109	105
460-235271-2	WCR-5C (5-7)	119	119	112	90
460-235271-5	WCR-7B (6-8)	119	114	111	91
460-235363-3	WCR-8C (5-7)	89	86	94	88
460-235363-4	WCR-9D (5-7)	92	87	94	89
460-235434-2	WCR-10D (6-8)	102	92	103	97
460-235434-4	WCR-11A (5-7)	93	87	95	88
460-235434-6	WCR-12A (5-7)	94	88	96	91
LB 460-780644/1-A	Method Blank	96	97	102	96
LB 460-780895/1-A	Method Blank	92	100	104	89
LB 460-781676/1-A	Method Blank	88	88	90	88
LB 460-781952/1-A	Method Blank	92	86	94	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-234863-H-1-A MS	Matrix Spike	119	85	84	83	89	95
460-234863-H-1-B MSD	Matrix Spike Duplicate	123	82	84	79	89	90
460-234999-A-4-B MS	Matrix Spike	81	65	56	62	61	76
460-234999-A-4-C MSD	Matrix Spike Duplicate	80	68	61	65	62	78
460-235054-1	WCR-1	132 *	79	84	78	90	92
460-235054-2	WCR-2	116	79	84	76	89	96
460-235054-3	WCR-3	131 *	87	89	83	93	94
460-235054-4	WCR-4	61	48	47	46	48	48

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (10-123)	FBP (14-103)	2FP (10-105)	NBZ (11-104)	PHL (15-100)	TPHL (12-126)
460-235271-1	WCR-5 (0-8)	109	89	81	85	82	107
460-235271-3	WCR-6 (0-8)	108	94	83	86	83	107
460-235271-4	WCR-7 (0-8)	104	88	84	85	83	108
460-235318-E-1-B MS	Matrix Spike	57	57	56	55	58	65
460-235318-E-1-C MSD	Matrix Spike Duplicate	54	53	52	52	56	60
460-235363-1	WCR-8 (0-8)	89	86	85	83	84	98
460-235363-2	WCR-9 (0-8)	68	82	81	78	80	88
460-235378-E-1-H MS	Matrix Spike	78	72	73	70	73	81
460-235378-E-1-I MSD	Matrix Spike Duplicate	79	71	73	70	73	82
460-235434-1	WCR-10 (0-8)	53	70	69	68	71	78
460-235434-3	WCR-11 (0-8)	62	64	62	63	65	69
460-235434-5	WCR-12 (0-8)	66	66	68	69	71	79
LCS 460-780250/2-A	Lab Control Sample	99	75	75	75	75	72
LCS 460-780798/2-A	Lab Control Sample	102	77	71	74	73	86
LCS 460-781083/2-A	Lab Control Sample	95	83	85	79	86	96
LCS 460-781326/2-A	Lab Control Sample	87	83	84	84	87	96
LCSD 460-780250/3-A	Lab Control Sample Dup	109	79	77	77	83	77
LCSD 460-780798/3-A	Lab Control Sample Dup	104	79	73	76	74	87
LCSD 460-781083/3-A	Lab Control Sample Dup	95	84	87	80	87	98
LCSD 460-781326/3-A	Lab Control Sample Dup	88	82	83	84	86	98
MB 460-780250/1-A	Method Blank	104	82	78	80	80	81
MB 460-780798/1-A	Method Blank	94	73	68	71	69	79
MB 460-781083/1-A	Method Blank	89	82	83	78	83	97
MB 460-781326/1-A	Method Blank	77	80	81	85	86	99

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-150)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
LCS 460-780679/2-A	Lab Control Sample	85	99	62	113	42	99
LCS 460-781150/2-A	Lab Control Sample	78	90	55	98	36	93
LCS 460-781773/2-A	Lab Control Sample	112	101	52	97	35	109
LCS 460-782004/2-A	Lab Control Sample	105	100	53	104	36	116
LCSD 460-780679/3-A	Lab Control Sample Dup	85	101	63	112	42	97
LCSD 460-781150/3-A	Lab Control Sample Dup	61	72	43	78	28	73
LCSD 460-781773/3-A	Lab Control Sample Dup	112	101	53	101	36	111
LCSD 460-782004/3-A	Lab Control Sample Dup	107	100	53	105	36	116
MB 460-780679/1-A	Method Blank	42	60	24	88	24	94
MB 460-781150/1-A	Method Blank	77	92	57	105	38	105
MB 460-781773/1-A	Method Blank	104	75	42	93	26	135
MB 460-782004/1-A	Method Blank	82	67	49	81	29	121

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-150)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
460-235054-1	WCR-1	67	57	43	84	28	86
460-235054-2	WCR-2	68	56	41	81	26	80
460-235054-3	WCR-3	69	62	41	87	26	84
460-235054-4	WCR-4	64	54	40	79	26	86
460-235271-1	WCR-5 (0-8)	80	97	65	109	46	106
460-235271-3	WCR-6 (0-8)	71	86	68	96	49	97
460-235271-4	WCR-7 (0-8)	116	108	58	105	34	112
460-235363-1	WCR-8 (0-8)	115	88	52	103	32	113
460-235363-2	WCR-9 (0-8)	105	78	44	94	28	91
460-235434-1	WCR-10 (0-8)	95	86	47	99	27	87
460-235434-3	WCR-11 (0-8)	86	65	42	81	24	94
460-235434-5	WCR-12 (0-8)	67	66	33	72	17	85
LB 460-780555/1-B	Method Blank	72	61	50	86	35	95
LB 460-781094/1-B	Method Blank	82	98	60	111	39	109
LB 460-781595/1-B	Method Blank	104	76	42	90	27	108
LB 460-781898/1-B	Method Blank	92	68	46	91	26	119

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-133)	TCX2 (10-133)
460-235001-A-1-A MS	Matrix Spike	91	95	87	81
460-235001-A-1-B MSD	Matrix Spike Duplicate	89	94	84	80
460-235054-1	WCR-1	111	110	101	103
460-235054-2	WCR-2	101	100	94	93
460-235054-3	WCR-3	114	114	106	106
460-235054-4	WCR-4	95	98	87	88
460-235271-1	WCR-5 (0-8)	86	85	79	79
460-235271-1 MS	WCR-5 (0-8)	84	83	76	85
460-235271-1 MSD	WCR-5 (0-8)	89	81	78	78
460-235271-3	WCR-6 (0-8)	101	101	90	96
460-235271-4	WCR-7 (0-8)	96	87	82	81
460-235302-A-1-D MS	Matrix Spike	89	91	91	99

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
460-235302-A-1-E MSD	Matrix Spike Duplicate	94	105	94	101
460-235363-1	WCR-8 (0-8)	92	88	94	99
460-235363-2	WCR-9 (0-8)	77	73	82	86
460-235430-F-3-E MS	Matrix Spike	85	83	75	80
460-235430-F-3-F MSD	Matrix Spike Duplicate	86	77	83	90
460-235434-1	WCR-10 (0-8)	103	1728 *	109	101
460-235434-3	WCR-11 (0-8)	70	183 *	82	84
460-235434-5	WCR-12 (0-8)	71	249 *	81	84
LCS 460-780239/2-A	Lab Control Sample	96	95	92	86
LCS 460-781082/2-A	Lab Control Sample	97	86	86	85
LCS 460-781084/2-A	Lab Control Sample	87	84	89	96
LCS 460-781345/2-A	Lab Control Sample	80	79	75	80
LCSD 460-780239/3-A	Lab Control Sample Dup	99	96	93	87
LCSD 460-781082/3-A	Lab Control Sample Dup	97	90	84	87
LCSD 460-781084/3-A	Lab Control Sample Dup	92	87	93	103
LCSD 460-781345/3-A	Lab Control Sample Dup	80	72	74	78
MB 460-780239/1-A	Method Blank	94	93	84	82
MB 460-781082/1-A	Method Blank	101	90	83	87
MB 460-781084/1-A	Method Blank	66	73	67	85
MB 460-781345/1-A	Method Blank	101	88	94	99

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
460-235398-J-1-A MS	Matrix Spike	75	67	73	71
460-235398-J-1-B MSD	Matrix Spike Duplicate	72	65	73	71
LCS 460-780844/2-A	Lab Control Sample	92	91	81	78
LCS 460-781130/2-A	Lab Control Sample	72	66	73	73
LCS 460-781807/2-A	Lab Control Sample	76	86	76	88
LCS 460-782009/2-A	Lab Control Sample	68	86	74	86
LCSD 460-780844/3-A	Lab Control Sample Dup	90	88	80	78
LCSD 460-781130/3-A	Lab Control Sample Dup	75	68	76	76
LCSD 460-781807/3-A	Lab Control Sample Dup	74	85	75	84
LCSD 460-782009/3-A	Lab Control Sample Dup	67	85	74	83
MB 460-780844/1-A	Method Blank	102	101	88	89
MB 460-781130/1-A	Method Blank	84	79	86	86
MB 460-781807/1-A	Method Blank	76	89	77	86
MB 460-782009/1-A	Method Blank	78	99	78	89

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
460-235054-1	WCR-1	88	92	77	80
460-235054-2	WCR-2	94	94	76	77
460-235054-3	WCR-3	86	85	70	72
460-235054-4	WCR-4	88	86	71	36
460-235271-1	WCR-5 (0-8)	65	60	75	74
460-235271-3	WCR-6 (0-8)	76	69	82	80
460-235271-4	WCR-7 (0-8)	74	69	81	80
460-235363-1	WCR-8 (0-8)	74	83	90	96
460-235363-2	WCR-9 (0-8)	79	88	84	89
460-235434-1	WCR-10 (0-8)	85	96	75	86
460-235434-3	WCR-11 (0-8)	80	84	77	81
460-235434-5	WCR-12 (0-8)	99	113	91	99
LB 460-780555/1-G	Method Blank	91	88	77	79
LB 460-781094/1-D	Method Blank	84	76	80	79
LB 460-781595/1-C	Method Blank	92	108	91	105
LB 460-781898/1-C	Method Blank	80	87	68	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
460-234858-A-2-B MS	Matrix Spike	94	93	91	93
460-234858-A-2-C MSD	Matrix Spike Duplicate	93	91	91	92
460-235054-1	WCR-1	118	124	119	122
460-235054-2	WCR-2	109	114	110	113
460-235054-3	WCR-3	123	121	122	118
460-235054-4	WCR-4	103	105	101	104
460-235271-1	WCR-5 (0-8)	135	123	130	131
460-235271-1 MS	WCR-5 (0-8)	116	103	111	110
460-235271-1 MSD	WCR-5 (0-8)	116	108	114	111
460-235271-3	WCR-6 (0-8)	119	109	118	117
460-235271-4	WCR-7 (0-8)	117	108	117	116
460-235302-A-1-A MS	Matrix Spike	103	97	109	99
460-235302-A-1-B MSD	Matrix Spike Duplicate	111	107	118	107
460-235363-1	WCR-8 (0-8)	95	96	115	104
460-235363-2	WCR-9 (0-8)	92	90	104	92
460-235430-F-3-B MS	Matrix Spike	86	67	78	62
460-235430-F-3-C MSD	Matrix Spike Duplicate	91	78	84	74
460-235434-1	WCR-10 (0-8)	93	115	115	85
460-235434-3	WCR-11 (0-8)	90	98	100	104
460-235434-5	WCR-12 (0-8)	113	106	113	99
LCS 460-780237/2-A	Lab Control Sample	98	93	97	95
LCS 460-781077/2-A	Lab Control Sample	92	84	92	90
LCS 460-781078/2-A	Lab Control Sample	92	87	94	86
LCS 460-781344/2-A	Lab Control Sample	76	62	77	79

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
LCSD 460-780237/3-A	Lab Control Sample Dup	100	95	97	92
LCSD 460-781077/3-A	Lab Control Sample Dup	97	88	95	94
LCSD 460-781078/3-A	Lab Control Sample Dup	95	90	99	90
LCSD 460-781344/3-A	Lab Control Sample Dup	78	65	80	81
MB 460-780237/1-A	Method Blank	115	101	111	104
MB 460-781077/1-A	Method Blank	121	110	120	119
MB 460-781078/1-A	Method Blank	108	101	107	100
MB 460-781344/1-A	Method Blank	92	75	93	93

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (65-150)	DCPAA2 (65-150)
460-235054-1	WCR-1	149	148
460-235054-1 MS	WCR-1	89	91
460-235054-1 MSD	WCR-1	92	93
460-235054-2	WCR-2	88	88
460-235054-3	WCR-3	88	86
460-235054-4	WCR-4	88	86
460-235271-1	WCR-5 (0-8)	82	97
460-235271-3	WCR-6 (0-8)	80	83
460-235271-4	WCR-7 (0-8)	86	87
460-235363-1	WCR-8 (0-8)	112	103
460-235363-2	WCR-9 (0-8)	126	112
460-235375-G-1-F MS	Matrix Spike	80	125
460-235375-G-1-G MSD	Matrix Spike Duplicate	76	128
460-235434-1	WCR-10 (0-8)	86	95
460-235434-3	WCR-11 (0-8)	94	87
460-235434-5	WCR-12 (0-8)	89	91
LCS 460-780565/2-A	Lab Control Sample	107	98
LCS 460-780851/2-A	Lab Control Sample	97	92
LCS 460-781126/2-A	Lab Control Sample	117	110
LCS 460-782130/2-A	Lab Control Sample	105	101
LCSD 460-780565/3-A	Lab Control Sample Dup	108	104
LCSD 460-780851/3-A	Lab Control Sample Dup	95	90
LCSD 460-781126/3-A	Lab Control Sample Dup	116	110
LCSD 460-782130/3-A	Lab Control Sample Dup	108	104
MB 460-780565/1-A	Method Blank	101	97
MB 460-780851/1-A	Method Blank	78	76
MB 460-781126/1-A	Method Blank	104	110
MB 460-782130/1-A	Method Blank	90	91

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
LCS 460-780850/2-A	Lab Control Sample	99	93
LCS 460-781125/2-A	Lab Control Sample	79	77
LCS 460-781910/2-A	Lab Control Sample	109	105
LCS 460-782129/2-A	Lab Control Sample	62	57
LCSD 460-780850/3-A	Lab Control Sample Dup	95	92
LCSD 460-781125/3-A	Lab Control Sample Dup	82	80
LCSD 460-781910/3-A	Lab Control Sample Dup	111	106
LCSD 460-782129/3-A	Lab Control Sample Dup	63	60
MB 460-780850/1-A	Method Blank	70	66
MB 460-781125/1-A	Method Blank	73	71
MB 460-781910/1-A	Method Blank	104	102
MB 460-782129/1-A	Method Blank	58	55

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
460-235054-1	WCR-1	57	54
460-235054-2	WCR-2	76	72
460-235054-3	WCR-3	71	66
460-235054-4	WCR-4	64	59
460-235271-1	WCR-5 (0-8)	68	63
460-235271-3	WCR-6 (0-8)	61	58
460-235271-4	WCR-7 (0-8)	73	70
460-235363-1	WCR-8 (0-8)	76	71
460-235363-2	WCR-9 (0-8)	84	77
460-235434-1	WCR-10 (0-8)	64	60
460-235434-3	WCR-11 (0-8)	67	62
460-235434-5	WCR-12 (0-8)	61	57
LB 460-780555/1-H	Method Blank	65	61
LB 460-781094/1-C	Method Blank	64	63
LB 460-781595/1-E	Method Blank	90	83
LB 460-781898/1-E	Method Blank	83	76

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	1COD1 (40-140)
460-235054-1	WCR-1	122	133
460-235054-2	WCR-2	115	132
460-235054-3	WCR-3	118	127
460-235054-4	WCR-4	117	125

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	1COD1 (40-140)								
460-235271-1	WCR-5 (0-8)	121	169 *								
460-235271-3	WCR-6 (0-8)	110	100								
460-235271-4	WCR-7 (0-8)	122	111								
460-235363-1	WCR-8 (0-8)	138	130								
460-235363-2	WCR-9 (0-8)	106	111								
460-235434-1	WCR-10 (0-8)	92	122								
460-235434-3	WCR-11 (0-8)	110	110								
460-235434-5	WCR-12 (0-8)	112	123								
LCS 460-780241/2-A	Lab Control Sample	114	170 *								
LCS 460-781347/2-A	Lab Control Sample	130	192 *								
LCS 460-781499/2-A	Lab Control Sample	97	147 *								
LCSD 460-780241/3-A	Lab Control Sample Dup	117	171 *								
LCSD 460-781347/3-A	Lab Control Sample Dup	135	196 *								
LCSD 460-781499/3-A	Lab Control Sample Dup	99	149 *								
MB 460-780241/1-A	Method Blank	116	120								
MB 460-781347/1-A	Method Blank	130	112								
MB 460-781499/1-A	Method Blank	107	113								

Surrogate Legend

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

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

Lab Sample ID: LB3 460-780271/1-A
Matrix: Solid
Analysis Batch: 780344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780271

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/25/21 22:39	05/26/21 12:18	1

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

Lab Sample ID: LB3 460-780271/1-A
Matrix: Solid
Analysis Batch: 780344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780271

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/25/21 22:39	05/26/21 12:18	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/25/21 22:39	05/26/21 12:18	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/25/21 22:39*	*05/26/21 12:18*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 145*	*05/25/21 22:39*	*05/26/21 12:18*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*05/25/21 22:39*	*05/26/21 12:18*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*05/25/21 22:39*	*05/26/21 12:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/25/21 22:39*	*05/26/21 12:18*	*1*

Lab Sample ID: MB 460-780344/8
Matrix: Solid
Analysis Batch: 780344

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:06	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/26/21 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/26/21 11:06	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:06	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/26/21 11:06	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:06	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:06	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:06	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/26/21 11:06	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:06	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/26/21 11:06	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/26/21 11:06	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/26/21 11:06	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:06	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/26/21 11:06	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/26/21 11:06	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/26/21 11:06	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/26/21 11:06	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/26/21 11:06	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/26/21 11:06	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/26/21 11:06	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:06	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/26/21 11:06	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:06	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/26/21 11:06	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/26/21 11:06	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/26/21 11:06	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/26/21 11:06	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/26/21 11:06	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/26/21 11:06	1

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

Lab Sample ID: MB 460-780344/8
Matrix: Solid
Analysis Batch: 780344

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:06	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/26/21 11:06	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/26/21 11:06	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/26/21 11:06	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/26/21 11:06	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/26/21 11:06	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/26/21 11:06	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/26/21 11:06	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/26/21 11:06	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/26/21 11:06	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/26/21 11:06	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/26/21 11:06	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/26/21 11:06	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/26/21 11:06	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/26/21 11:06	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/26/21 11:06	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/26/21 11:06	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/26/21 11:06	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/26/21 11:06	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/26/21 11:06	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/26/21 11:06	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/26/21 11:06*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 145*		*05/26/21 11:06*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*		*05/26/21 11:06*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*		*05/26/21 11:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/26/21 11:06*	*1*

Lab Sample ID: LCS 460-780344/4
Matrix: Solid
Analysis Batch: 780344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0175		mg/Kg		87	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0212		mg/Kg		106	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0190		mg/Kg		95	78 - 136
1,1,2-Trichloroethane	0.0200	0.0217		mg/Kg		108	75 - 120
1,1-Dichloroethane	0.0200	0.0188		mg/Kg		94	76 - 129
1,1-Dichloroethene	0.0200	0.0188		mg/Kg		94	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0202		mg/Kg		101	60 - 126
1,2-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 132

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

Lab Sample ID: LCS 460-780344/4
Matrix: Solid
Analysis Batch: 780344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.0200	0.0199		mg/Kg		100	73 - 124
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
1,4-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.115		mg/Kg		115	75 - 120
2-Hexanone	0.100	0.114		mg/Kg		114	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.114		mg/Kg		114	80 - 122
Acetone	0.100	0.0880		mg/Kg		88	63 - 131
Benzene	0.0200	0.0204		mg/Kg		102	80 - 123
Bromoform	0.0200	0.0202		mg/Kg		101	48 - 142
Bromomethane	0.0200	0.0259		mg/Kg		129	46 - 150
Carbon disulfide	0.0200	0.0195		mg/Kg		97	67 - 136
Carbon tetrachloride	0.0200	0.0170		mg/Kg		85	72 - 136
Chlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
Chlorobromomethane	0.0200	0.0209		mg/Kg		105	76 - 127
Chlorodibromomethane	0.0200	0.0198		mg/Kg		99	62 - 128
Chloroethane	0.0200	0.0207		mg/Kg		103	49 - 150
Chloroform	0.0200	0.0193		mg/Kg		97	79 - 126
Chloromethane	0.0200	0.0206		mg/Kg		103	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0207		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	72 - 120
Cyclohexane	0.0200	0.0188		mg/Kg		94	80 - 132
Dichlorobromomethane	0.0200	0.0191		mg/Kg		95	73 - 124
Dichlorodifluoromethane	0.0200	0.0166		mg/Kg		83	40 - 146
Ethylbenzene	0.0200	0.0183		mg/Kg		92	80 - 120
Ethylene Dibromide	0.0200	0.0207		mg/Kg		104	79 - 120
Isopropylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Methyl acetate	0.0400	0.0455		mg/Kg		114	58 - 143
Methyl tert-butyl ether	0.0200	0.0225		mg/Kg		113	80 - 125
Methylcyclohexane	0.0200	0.0189		mg/Kg		95	79 - 133
Methylene Chloride	0.0200	0.0197		mg/Kg		99	76 - 127
m-Xylene & p-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120
Styrene	0.0200	0.0201		mg/Kg		100	80 - 120
Tetrachloroethene	0.0200	0.0180		mg/Kg		90	78 - 123
Toluene	0.0200	0.0188		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0195		mg/Kg		97	68 - 120
Trichloroethene	0.0200	0.0184		mg/Kg		92	79 - 120
Trichlorofluoromethane	0.0200	0.0177		mg/Kg		89	67 - 142
Vinyl chloride	0.0200	0.0205		mg/Kg		102	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 145*
4-Bromofluorobenzene	*108*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 460-780344/5
Matrix: Solid
Analysis Batch: 780344

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0176		mg/Kg		88	78 - 132	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0229		mg/Kg		114	69 - 123	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0195		mg/Kg		98	78 - 136	3	30
1,1,2-Trichloroethane			0.0200	0.0220		mg/Kg		110	75 - 120	1	30
1,1-Dichloroethane			0.0200	0.0195		mg/Kg		97	76 - 129	3	30
1,1-Dichloroethene			0.0200	0.0200		mg/Kg		100	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0212		mg/Kg		106	65 - 144	6	30
1,2,4-Trichlorobenzene			0.0200	0.0206		mg/Kg		103	75 - 120	7	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0200		mg/Kg		100	60 - 126	1	30
1,2-Dichlorobenzene			0.0200	0.0213		mg/Kg		107	80 - 120	9	30
1,2-Dichloroethane			0.0200	0.0190		mg/Kg		95	70 - 132	1	30
1,2-Dichloropropane			0.0200	0.0205		mg/Kg		103	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0208		mg/Kg		104	80 - 120	11	30
1,4-Dichlorobenzene			0.0200	0.0211		mg/Kg		106	80 - 120	9	30
2-Butanone (MEK)			0.100	0.115		mg/Kg		115	75 - 120	0	30
2-Hexanone			0.100	0.120		mg/Kg		120	78 - 120	5	30
4-Methyl-2-pentanone (MIBK)			0.100	0.120		mg/Kg		120	80 - 122	5	30
Acetone			0.100	0.0900		mg/Kg		90	63 - 131	2	30
Benzene			0.0200	0.0203		mg/Kg		102	80 - 123	0	30
Bromoform			0.0200	0.0213		mg/Kg		107	48 - 142	6	30
Bromomethane			0.0200	0.0251		mg/Kg		126	46 - 150	3	30
Carbon disulfide			0.0200	0.0200		mg/Kg		100	67 - 136	2	30
Carbon tetrachloride			0.0200	0.0182		mg/Kg		91	72 - 136	7	30
Chlorobenzene			0.0200	0.0205		mg/Kg		102	80 - 120	4	30
Chlorobromomethane			0.0200	0.0207		mg/Kg		103	76 - 127	1	30
Chlorodibromomethane			0.0200	0.0210		mg/Kg		105	62 - 128	6	30
Chloroethane			0.0200	0.0198		mg/Kg		99	49 - 150	4	30
Chloroform			0.0200	0.0193		mg/Kg		97	79 - 126	0	30
Chloromethane			0.0200	0.0204		mg/Kg		102	48 - 150	1	30
cis-1,2-Dichloroethene			0.0200	0.0207		mg/Kg		103	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0201		mg/Kg		100	72 - 120	2	30
Cyclohexane			0.0200	0.0198		mg/Kg		99	80 - 132	6	30
Dichlorobromomethane			0.0200	0.0197		mg/Kg		98	73 - 124	3	30
Dichlorodifluoromethane			0.0200	0.0174		mg/Kg		87	40 - 146	5	30
Ethylbenzene			0.0200	0.0200		mg/Kg		100	80 - 120	9	30
Ethylene Dibromide			0.0200	0.0211		mg/Kg		106	79 - 120	2	30
Isopropylbenzene			0.0200	0.0215		mg/Kg		108	80 - 120	10	30
Methyl acetate			0.0400	0.0452		mg/Kg		113	58 - 143	1	30
Methyl tert-butyl ether			0.0200	0.0224		mg/Kg		112	80 - 125	1	30
Methylcyclohexane			0.0200	0.0206		mg/Kg		103	79 - 133	9	30
Methylene Chloride			0.0200	0.0201		mg/Kg		101	76 - 127	2	30
m-Xylene & p-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
o-Xylene			0.0200	0.0204		mg/Kg		102	80 - 120	4	30
Styrene			0.0200	0.0211		mg/Kg		105	80 - 120	5	30
Tetrachloroethene			0.0200	0.0182		mg/Kg		91	78 - 123	1	30
Toluene			0.0200	0.0195		mg/Kg		97	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0199		mg/Kg		99	78 - 128	1	30
trans-1,3-Dichloropropene			0.0200	0.0204		mg/Kg		102	68 - 120	4	30

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

Lab Sample ID: LCSD 460-780344/5
Matrix: Solid
Analysis Batch: 780344

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0197		mg/Kg		98	79 - 120	7	30
Trichlorofluoromethane			0.0200	0.0190		mg/Kg		95	67 - 142	7	30
Vinyl chloride			0.0200	0.0217		mg/Kg		109	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 145*
4-Bromofluorobenzene	*112*		*70 - 139*
Dibromofluoromethane (Surr)	*106*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LB3 460-780789/1-A
Matrix: Solid
Analysis Batch: 781145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780789

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/27/21 17:22	05/29/21 08:50	1

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

Lab Sample ID: LB3 460-780789/1-A
Matrix: Solid
Analysis Batch: 781145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780789

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/27/21 17:22	05/29/21 08:50	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/27/21 17:22	05/29/21 08:50	1

Tentatively Identified Compound	*Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/27/21 17:22*	*05/29/21 08:50*	*1*

Surrogate	*%Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*	*05/27/21 17:22*	*05/29/21 08:50*	*1*
4-Bromofluorobenzene	*110*		*70 - 139*	*05/27/21 17:22*	*05/29/21 08:50*	*1*
Dibromofluoromethane (Surr)	*110*		*48 - 150*	*05/27/21 17:22*	*05/29/21 08:50*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*05/27/21 17:22*	*05/29/21 08:50*	*1*

Lab Sample ID: MB 460-780934/8
Matrix: Solid
Analysis Batch: 780934

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/28/21 12:47	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/28/21 12:47	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/28/21 12:47	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/28/21 12:47	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/28/21 12:47	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/28/21 12:47	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/28/21 12:47	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/28/21 12:47	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/28/21 12:47	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/28/21 12:47	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/28/21 12:47	1

Surrogate	*%Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*05/28/21 12:47*	*1*

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

Lab Sample ID: MB 460-780934/8
Matrix: Solid
Analysis Batch: 780934

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		76 - 120		05/28/21 12:47	1
Dibromofluoromethane (Surr)	106		77 - 124		05/28/21 12:47	1
Toluene-d8 (Surr)	101		80 - 120		05/28/21 12:47	1

Lab Sample ID: LCS 460-780934/3
Matrix: Solid
Analysis Batch: 780934

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0177		mg/L		89	68 - 133
1,2-Dichloroethane	0.0200	0.0208		mg/L		104	75 - 121
1,4-Dichlorobenzene	0.0200	0.0203		mg/L		102	80 - 118
2-Butanone (MEK)	0.100	0.105		mg/L		105	69 - 128
Benzene	0.0200	0.0210		mg/L		105	78 - 126
Carbon tetrachloride	0.0200	0.0352	*	mg/L		176	56 - 131
Chlorobenzene	0.0200	0.0202		mg/L		101	80 - 119
Chloroform	0.0200	0.0211		mg/L		106	78 - 125
Tetrachloroethene	0.0200	0.0219		mg/L		109	70 - 127
Trichloroethene	0.0200	0.0208		mg/L		104	71 - 121
Vinyl chloride	0.0200	0.0214		mg/L		107	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 123
4-Bromofluorobenzene	109		76 - 120
Dibromofluoromethane (Surr)	105		77 - 124
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 460-780934/4
Matrix: Solid
Analysis Batch: 780934

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0175		mg/L		88	68 - 133	1	30
1,2-Dichloroethane	0.0200	0.0203		mg/L		101	75 - 121	2	30
1,4-Dichlorobenzene	0.0200	0.0201		mg/L		101	80 - 118	1	30
2-Butanone (MEK)	0.100	0.110		mg/L		110	69 - 128	4	30
Benzene	0.0200	0.0207		mg/L		103	78 - 126	1	30
Carbon tetrachloride	0.0200	0.0348	*	mg/L		174	56 - 131	1	30
Chlorobenzene	0.0200	0.0197		mg/L		98	80 - 119	2	30
Chloroform	0.0200	0.0205		mg/L		103	78 - 125	3	30
Tetrachloroethene	0.0200	0.0211		mg/L		106	70 - 127	3	30
Trichloroethene	0.0200	0.0208		mg/L		104	71 - 121	0	30
Vinyl chloride	0.0200	0.0213		mg/L		106	61 - 144	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 123
4-Bromofluorobenzene	108		76 - 120
Dibromofluoromethane (Surr)	106		77 - 124

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

Lab Sample ID: LCSD 460-780934/4
Matrix: Solid
Analysis Batch: 780934

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LB3 460-781038/2-A
Matrix: Solid
Analysis Batch: 781741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781038

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/28/21 16:29	06/02/21 11:25	1

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

Lab Sample ID: LB3 460-781038/2-A
Matrix: Solid
Analysis Batch: 781741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781038

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/28/21 16:29	06/02/21 11:25	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/28/21 16:29	06/02/21 11:25	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/28/21 16:29*	*06/02/21 11:25*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*	*05/28/21 16:29*	*06/02/21 11:25*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*05/28/21 16:29*	*06/02/21 11:25*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*05/28/21 16:29*	*06/02/21 11:25*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*05/28/21 16:29*	*06/02/21 11:25*	*1*

Lab Sample ID: MB 460-781145/7
Matrix: Solid
Analysis Batch: 781145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			05/29/21 08:25	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/29/21 08:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/29/21 08:25	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			05/29/21 08:25	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			05/29/21 08:25	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			05/29/21 08:25	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/29/21 08:25	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/29/21 08:25	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			05/29/21 08:25	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			05/29/21 08:25	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			05/29/21 08:25	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			05/29/21 08:25	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			05/29/21 08:25	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			05/29/21 08:25	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			05/29/21 08:25	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			05/29/21 08:25	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			05/29/21 08:25	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			05/29/21 08:25	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			05/29/21 08:25	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			05/29/21 08:25	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			05/29/21 08:25	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			05/29/21 08:25	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			05/29/21 08:25	1

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

Lab Sample ID: MB 460-781145/7
Matrix: Solid
Analysis Batch: 781145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			05/29/21 08:25	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			05/29/21 08:25	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			05/29/21 08:25	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			05/29/21 08:25	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			05/29/21 08:25	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			05/29/21 08:25	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			05/29/21 08:25	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/29/21 08:25	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			05/29/21 08:25	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			05/29/21 08:25	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			05/29/21 08:25	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			05/29/21 08:25	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			05/29/21 08:25	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			05/29/21 08:25	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			05/29/21 08:25	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			05/29/21 08:25	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			05/29/21 08:25	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			05/29/21 08:25	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			05/29/21 08:25	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			05/29/21 08:25	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			05/29/21 08:25	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			05/29/21 08:25	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			05/29/21 08:25	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			05/29/21 08:25	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			05/29/21 08:25	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			05/29/21 08:25	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			05/29/21 08:25	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			05/29/21 08:25	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*05/29/21 08:25*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*		*05/29/21 08:25*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*		*05/29/21 08:25*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*		*05/29/21 08:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/29/21 08:25*	*1*

Lab Sample ID: LCS 460-781145/3
Matrix: Solid
Analysis Batch: 781145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0200		mg/Kg		100	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0208		mg/Kg		104	78 - 136
1,1,2-Trichloroethane	0.0200	0.0190		mg/Kg		95	75 - 120

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

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

Lab Sample ID: LCS 460-781145/3
Matrix: Solid
Analysis Batch: 781145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.0200	0.0201		mg/Kg		101	76 - 129
1,1-Dichloroethene	0.0200	0.0208		mg/Kg		104	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0198		mg/Kg		99	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0182		mg/Kg		91	60 - 126
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		92	70 - 132
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.0920		mg/Kg		92	75 - 120
2-Hexanone	0.100	0.0922		mg/Kg		92	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0949		mg/Kg		95	80 - 122
Acetone	0.100	0.0809		mg/Kg		81	63 - 131
Benzene	0.0200	0.0197		mg/Kg		99	80 - 123
Bromoform	0.0200	0.0181		mg/Kg		90	48 - 142
Bromomethane	0.0200	0.0281		mg/Kg		141	46 - 150
Carbon disulfide	0.0200	0.0208		mg/Kg		104	67 - 136
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	72 - 136
Chlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0199		mg/Kg		100	76 - 127
Chlorodibromomethane	0.0200	0.0187		mg/Kg		93	62 - 128
Chloroethane	0.0200	0.0210		mg/Kg		105	49 - 150
Chloroform	0.0200	0.0196		mg/Kg		98	79 - 126
Chloromethane	0.0200	0.0198		mg/Kg		99	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		98	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		96	72 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	80 - 132
Dichlorobromomethane	0.0200	0.0189		mg/Kg		94	73 - 124
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		92	40 - 146
Ethylbenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Ethylene Dibromide	0.0200	0.0189		mg/Kg		95	79 - 120
Isopropylbenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Methyl acetate	0.0400	0.0363		mg/Kg		91	58 - 143
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		94	80 - 125
Methylcyclohexane	0.0200	0.0205		mg/Kg		102	79 - 133
Methylene Chloride	0.0200	0.0199		mg/Kg		100	76 - 127
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		99	80 - 120
o-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120
Styrene	0.0200	0.0198		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0198		mg/Kg		99	78 - 123
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		94	68 - 120
Trichloroethene	0.0200	0.0198		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0206		mg/Kg		103	67 - 142
Vinyl chloride	0.0200	0.0204		mg/Kg		102	56 - 147

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

Lab Sample ID: LCS 460-781145/3
Matrix: Solid
Analysis Batch: 781145

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-781145/4
Matrix: Solid
Analysis Batch: 781145

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0210		mg/Kg		105	78 - 132	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0196		mg/Kg		98	69 - 123	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0222		mg/Kg		111	78 - 136	6	30
1,1,2-Trichloroethane			0.0200	0.0200		mg/Kg		100	75 - 120	5	30
1,1-Dichloroethane			0.0200	0.0211		mg/Kg		105	76 - 129	5	30
1,1-Dichloroethene			0.0200	0.0222		mg/Kg		111	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0208		mg/Kg		104	65 - 144	4	30
1,2,4-Trichlorobenzene			0.0200	0.0207		mg/Kg		103	75 - 120	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0192		mg/Kg		96	60 - 126	6	30
1,2-Dichlorobenzene			0.0200	0.0209		mg/Kg		104	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0196		mg/Kg		98	70 - 132	6	30
1,2-Dichloropropane			0.0200	0.0207		mg/Kg		104	73 - 124	8	30
1,3-Dichlorobenzene			0.0200	0.0208		mg/Kg		104	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0211		mg/Kg		106	80 - 120	6	30
2-Butanone (MEK)			0.100	0.0972		mg/Kg		97	75 - 120	6	30
2-Hexanone			0.100	0.0971		mg/Kg		97	78 - 120	5	30
4-Methyl-2-pentanone (MIBK)			0.100	0.102		mg/Kg		102	80 - 122	7	30
Acetone			0.100	0.0844		mg/Kg		84	63 - 131	4	30
Benzene			0.0200	0.0212		mg/Kg		106	80 - 123	7	30
Bromoform			0.0200	0.0193		mg/Kg		97	48 - 142	6	30
Bromomethane			0.0200	0.0297		mg/Kg		149	46 - 150	6	30
Carbon disulfide			0.0200	0.0220		mg/Kg		110	67 - 136	5	30
Carbon tetrachloride			0.0200	0.0210		mg/Kg		105	72 - 136	6	30
Chlorobenzene			0.0200	0.0210		mg/Kg		105	80 - 120	7	30
Chlorobromomethane			0.0200	0.0210		mg/Kg		105	76 - 127	5	30
Chlorodibromomethane			0.0200	0.0200		mg/Kg		100	62 - 128	7	30
Chloroethane			0.0200	0.0217		mg/Kg		109	49 - 150	3	30
Chloroform			0.0200	0.0208		mg/Kg		104	79 - 126	6	30
Chloromethane			0.0200	0.0204		mg/Kg		102	48 - 150	3	30
cis-1,2-Dichloroethene			0.0200	0.0209		mg/Kg		104	80 - 123	6	30
cis-1,3-Dichloropropene			0.0200	0.0203		mg/Kg		102	72 - 120	6	30
Cyclohexane			0.0200	0.0218		mg/Kg		109	80 - 132	6	30
Dichlorobromomethane			0.0200	0.0200		mg/Kg		100	73 - 124	6	30
Dichlorodifluoromethane			0.0200	0.0192		mg/Kg		96	40 - 146	5	30
Ethylbenzene			0.0200	0.0216		mg/Kg		108	80 - 120	9	30
Ethylene Dibromide			0.0200	0.0199		mg/Kg		100	79 - 120	5	30
Isopropylbenzene			0.0200	0.0216		mg/Kg		108	80 - 120	7	30
Methyl acetate			0.0400	0.0383		mg/Kg		96	58 - 143	5	30

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

Lab Sample ID: LCSD 460-781145/4
Matrix: Solid
Analysis Batch: 781145

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	80 - 125	6	30
Methylcyclohexane	0.0200	0.0219		mg/Kg		110	79 - 133	7	30
Methylene Chloride	0.0200	0.0208		mg/Kg		104	76 - 127	4	30
m-Xylene & p-Xylene	0.0200	0.0213		mg/Kg		106	80 - 120	7	30
o-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120	6	30
Styrene	0.0200	0.0215		mg/Kg		107	80 - 120	8	30
Tetrachloroethene	0.0200	0.0214		mg/Kg		107	78 - 123	8	30
Toluene	0.0200	0.0210		mg/Kg		105	80 - 120	7	30
trans-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		110	78 - 128	7	30
trans-1,3-Dichloropropene	0.0200	0.0199		mg/Kg		100	68 - 120	6	30
Trichloroethene	0.0200	0.0208		mg/Kg		104	79 - 120	5	30
Trichlorofluoromethane	0.0200	0.0211		mg/Kg		106	67 - 142	3	30
Vinyl chloride	0.0200	0.0212		mg/Kg		106	56 - 147	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*111*		*70 - 139*
Dibromofluoromethane (Surr)	*107*		*48 - 150*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 460-781155/7
Matrix: Solid
Analysis Batch: 781155

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/29/21 11:18	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/29/21 11:18	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/29/21 11:18	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/29/21 11:18	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/29/21 11:18	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/29/21 11:18	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/29/21 11:18	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/29/21 11:18	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/29/21 11:18	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/29/21 11:18	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/29/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*75 - 123*		*05/29/21 11:18*	*1*
4-Bromofluorobenzene	*113*		*76 - 120*		*05/29/21 11:18*	*1*
Dibromofluoromethane (Surr)	*110*		*77 - 124*		*05/29/21 11:18*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/29/21 11:18*	*1*

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

Lab Sample ID: LCS 460-781155/3
Matrix: Solid
Analysis Batch: 781155

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0156		mg/L		78	68 - 133		
1,2-Dichloroethane			0.0200	0.0243	*	mg/L		122	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0202		mg/L		101	80 - 118		
2-Butanone (MEK)			0.100	0.0923		mg/L		92	69 - 128		
Benzene			0.0200	0.0187		mg/L		93	78 - 126		
Carbon tetrachloride			0.0200	0.0222		mg/L		111	56 - 131		
Chlorobenzene			0.0200	0.0201		mg/L		101	80 - 119		
Chloroform			0.0200	0.0229		mg/L		115	78 - 125		
Tetrachloroethene			0.0200	0.0205		mg/L		102	70 - 127		
Trichloroethene			0.0200	0.0195		mg/L		98	71 - 121		
Vinyl chloride			0.0200	0.0199		mg/L		99	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*122*		*75 - 123*
4-Bromofluorobenzene	*112*		*76 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 124*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: LCSD 460-781155/4
Matrix: Solid
Analysis Batch: 781155

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0141		mg/L		71	68 - 133	10	30
1,2-Dichloroethane			0.0200	0.0231		mg/L		115	75 - 121	5	30
1,4-Dichlorobenzene			0.0200	0.0197		mg/L		99	80 - 118	2	30
2-Butanone (MEK)			0.100	0.0979		mg/L		98	69 - 128	6	30
Benzene			0.0200	0.0181		mg/L		91	78 - 126	3	30
Carbon tetrachloride			0.0200	0.0213		mg/L		107	56 - 131	4	30
Chlorobenzene			0.0200	0.0199		mg/L		99	80 - 119	1	30
Chloroform			0.0200	0.0217		mg/L		109	78 - 125	5	30
Tetrachloroethene			0.0200	0.0210		mg/L		105	70 - 127	2	30
Trichloroethene			0.0200	0.0190		mg/L		95	71 - 121	3	30
Vinyl chloride			0.0200	0.0192		mg/L		96	61 - 144	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*
4-Bromofluorobenzene	*116*		*76 - 120*
Dibromofluoromethane (Surr)	*111*		*77 - 124*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 460-781159/9
Matrix: Solid
Analysis Batch: 781159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			05/29/21 11:51	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/29/21 11:51	1

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

Lab Sample ID: MB 460-781159/9
Matrix: Solid
Analysis Batch: 781159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			05/29/21 11:51	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/29/21 11:51	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			05/29/21 11:51	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/29/21 11:51	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/29/21 11:51	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/29/21 11:51	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/29/21 11:51	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/29/21 11:51	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/29/21 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*05/29/21 11:51*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*05/29/21 11:51*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*05/29/21 11:51*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/29/21 11:51*	*1*

Lab Sample ID: LCS 460-781159/5
Matrix: Solid
Analysis Batch: 781159

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0244		mg/L		122	68 - 133
1,2-Dichloroethane	0.0200	0.0208		mg/L		104	75 - 121
1,4-Dichlorobenzene	0.0200	0.0206		mg/L		103	80 - 118
2-Butanone (MEK)	0.100	0.130	*	mg/L		130	69 - 128
Benzene	0.0200	0.0203		mg/L		102	78 - 126
Carbon tetrachloride	0.0200	0.0216		mg/L		108	56 - 131
Chlorobenzene	0.0200	0.0205		mg/L		103	80 - 119
Chloroform	0.0200	0.0227		mg/L		114	78 - 125
Tetrachloroethene	0.0200	0.0198		mg/L		99	70 - 127
Trichloroethene	0.0200	0.0229		mg/L		114	71 - 121
Vinyl chloride	0.0200	0.0226		mg/L		113	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: LCSD 460-781159/6
Matrix: Solid
Analysis Batch: 781159

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0252		mg/L		126	68 - 133	3	30
1,2-Dichloroethane	0.0200	0.0209		mg/L		104	75 - 121	0	30
1,4-Dichlorobenzene	0.0200	0.0207		mg/L		104	80 - 118	0	30
2-Butanone (MEK)	0.100	0.148	*	mg/L		148	69 - 128	13	30

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

Lab Sample ID: LCSD 460-781159/6
Matrix: Solid
Analysis Batch: 781159

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0200	0.0215		mg/L		107	78 - 126	6	30
Carbon tetrachloride			0.0200	0.0224		mg/L		112	56 - 131	4	30
Chlorobenzene			0.0200	0.0212		mg/L		106	80 - 119	3	30
Chloroform			0.0200	0.0227		mg/L		114	78 - 125	0	30
Tetrachloroethene			0.0200	0.0209		mg/L		105	70 - 127	6	30
Trichloroethene			0.0200	0.0237		mg/L		118	71 - 121	3	30
Vinyl chloride			0.0200	0.0230		mg/L		115	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: LB3 460-781286/2-A
Matrix: Solid
Analysis Batch: 781753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781286

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		05/30/21 05:37	06/02/21 18:44	1

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

Lab Sample ID: LB3 460-781286/2-A
Matrix: Solid
Analysis Batch: 781753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781286

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		05/30/21 05:37	06/02/21 18:44	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		05/30/21 05:37	06/02/21 18:44	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/30/21 05:37*	*06/02/21 18:44*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*05/30/21 05:37*	*06/02/21 18:44*	*1*
4-Bromofluorobenzene	*110*		*70 - 139*	*05/30/21 05:37*	*06/02/21 18:44*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*	*05/30/21 05:37*	*06/02/21 18:44*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*	*05/30/21 05:37*	*06/02/21 18:44*	*1*

Lab Sample ID: MB 460-781741/8
Matrix: Solid
Analysis Batch: 781741

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:02	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/02/21 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/02/21 11:02	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:02	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/02/21 11:02	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:02	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:02	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:02	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/02/21 11:02	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:02	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/02/21 11:02	1

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

Lab Sample ID: MB 460-781741/8
Matrix: Solid
Analysis Batch: 781741

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/02/21 11:02	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/02/21 11:02	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:02	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/02/21 11:02	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/02/21 11:02	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/02/21 11:02	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/02/21 11:02	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/02/21 11:02	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/02/21 11:02	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/02/21 11:02	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:02	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/02/21 11:02	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:02	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/02/21 11:02	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/02/21 11:02	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/02/21 11:02	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/02/21 11:02	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/02/21 11:02	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:02	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:02	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/02/21 11:02	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/02/21 11:02	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/02/21 11:02	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/02/21 11:02	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:02	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/02/21 11:02	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/02/21 11:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/02/21 11:02	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/02/21 11:02	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/02/21 11:02	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/02/21 11:02	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/02/21 11:02	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/02/21 11:02	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/02/21 11:02	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:02	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/02/21 11:02	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:02	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/02/21 11:02	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/02/21 11:02	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/02/21 11:02	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/02/21 11:02*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*		*06/02/21 11:02*	*1*
4-Bromofluorobenzene	*105*		*70 - 139*		*06/02/21 11:02*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*		*06/02/21 11:02*	*1*

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

Lab Sample ID: MB 460-781741/8
Matrix: Solid
Analysis Batch: 781741

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		06/02/21 11:02	1

Lab Sample ID: LCS 460-781741/3
Matrix: Solid
Analysis Batch: 781741

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0219		mg/Kg		109	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0195		mg/Kg		97	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0213		mg/Kg		107	78 - 136
1,1,2-Trichloroethane	0.0200	0.0188		mg/Kg		94	75 - 120
1,1-Dichloroethane	0.0200	0.0222		mg/Kg		111	76 - 129
1,1-Dichloroethene	0.0200	0.0225		mg/Kg		112	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0208		mg/Kg		104	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0186		mg/Kg		93	60 - 126
1,2-Dichlorobenzene	0.0200	0.0201		mg/Kg		101	80 - 120
1,2-Dichloroethane	0.0200	0.0195		mg/Kg		97	70 - 132
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3-Dichlorobenzene	0.0200	0.0207		mg/Kg		104	80 - 120
1,4-Dichlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120
2-Butanone (MEK)	0.100	0.0991		mg/Kg		99	75 - 120
2-Hexanone	0.100	0.0977		mg/Kg		98	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0983		mg/Kg		98	80 - 122
Acetone	0.100	0.0993		mg/Kg		99	63 - 131
Benzene	0.0200	0.0208		mg/Kg		104	80 - 123
Bromoform	0.0200	0.0190		mg/Kg		95	48 - 142
Bromomethane	0.0200	0.0211		mg/Kg		105	46 - 150
Carbon disulfide	0.0200	0.0225		mg/Kg		112	67 - 136
Carbon tetrachloride	0.0200	0.0211		mg/Kg		106	72 - 136
Chlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0192		mg/Kg		96	62 - 128
Chloroethane	0.0200	0.0209		mg/Kg		105	49 - 150
Chloroform	0.0200	0.0211		mg/Kg		105	79 - 126
Chloromethane	0.0200	0.0249		mg/Kg		125	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0186		mg/Kg		93	72 - 120
Cyclohexane	0.0200	0.0220		mg/Kg		110	80 - 132
Dichlorobromomethane	0.0200	0.0193		mg/Kg		96	73 - 124
Dichlorodifluoromethane	0.0200	0.0210		mg/Kg		105	40 - 146
Ethylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120
Isopropylbenzene	0.0200	0.0208		mg/Kg		104	80 - 120
Methyl acetate	0.0400	0.0430		mg/Kg		108	58 - 143
Methyl tert-butyl ether	0.0200	0.0206		mg/Kg		103	80 - 125
Methylcyclohexane	0.0200	0.0213		mg/Kg		107	79 - 133
Methylene Chloride	0.0200	0.0208		mg/Kg		104	76 - 127

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

Lab Sample ID: LCS 460-781741/3
Matrix: Solid
Analysis Batch: 781741

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0206		mg/Kg		103	80 - 120
o-Xylene	0.0200	0.0208		mg/Kg		104	80 - 120
Styrene	0.0200	0.0203		mg/Kg		101	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	78 - 123
Toluene	0.0200	0.0207		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	68 - 120
Trichloroethene	0.0200	0.0198		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0204		mg/Kg		102	67 - 142
Vinyl chloride	0.0200	0.0215		mg/Kg		108	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*105*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-781741/4
Matrix: Solid
Analysis Batch: 781741

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0235		mg/Kg		118	78 - 132	7	30
1,1,2,2-Tetrachloroethane	0.0200	0.0225		mg/Kg		112	69 - 123	14	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0230		mg/Kg		115	78 - 136	8	30
1,1,2-Trichloroethane	0.0200	0.0209		mg/Kg		105	75 - 120	10	30
1,1-Dichloroethane	0.0200	0.0240		mg/Kg		120	76 - 129	8	30
1,1-Dichloroethene	0.0200	0.0241		mg/Kg		121	77 - 132	7	30
1,2,3-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	65 - 144	0	30
1,2,4-Trichlorobenzene	0.0200	0.0199		mg/Kg		100	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0220		mg/Kg		110	60 - 126	17	30
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0220		mg/Kg		110	70 - 132	12	30
1,2-Dichloropropane	0.0200	0.0210		mg/Kg		105	73 - 124	9	30
1,3-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120	4	30
2-Butanone (MEK)	0.100	0.108		mg/Kg		108	75 - 120	9	30
2-Hexanone	0.100	0.101		mg/Kg		101	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.104		mg/Kg		104	80 - 122	5	30
Acetone	0.100	0.107		mg/Kg		107	63 - 131	8	30
Benzene	0.0200	0.0226		mg/Kg		113	80 - 123	8	30
Bromoform	0.0200	0.0211		mg/Kg		105	48 - 142	10	30
Bromomethane	0.0200	0.0240		mg/Kg		120	46 - 150	13	30
Carbon disulfide	0.0200	0.0252		mg/Kg		126	67 - 136	11	30
Carbon tetrachloride	0.0200	0.0225		mg/Kg		112	72 - 136	6	30
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120	7	30
Chlorobromomethane	0.0200	0.0233		mg/Kg		116	76 - 127	12	30
Chlorodibromomethane	0.0200	0.0209		mg/Kg		105	62 - 128	9	30

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

Lab Sample ID: LCSD 460-781741/4
Matrix: Solid
Analysis Batch: 781741

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane			0.0200	0.0218		mg/Kg		109	49 - 150	4	30
Chloroform			0.0200	0.0235		mg/Kg		117	79 - 126	11	30
Chloromethane			0.0200	0.0243		mg/Kg		122	48 - 150	3	30
cis-1,2-Dichloroethene			0.0200	0.0241		mg/Kg		120	80 - 123	10	30
cis-1,3-Dichloropropene			0.0200	0.0203		mg/Kg		101	72 - 120	9	30
Cyclohexane			0.0200	0.0222		mg/Kg		111	80 - 132	1	30
Dichlorobromomethane			0.0200	0.0217		mg/Kg		108	73 - 124	12	30
Dichlorodifluoromethane			0.0200	0.0245		mg/Kg		122	40 - 146	15	30
Ethylbenzene			0.0200	0.0206		mg/Kg		103	80 - 120	0	30
Ethylene Dibromide			0.0200	0.0214		mg/Kg		107	79 - 120	11	30
Isopropylbenzene			0.0200	0.0204		mg/Kg		102	80 - 120	2	30
Methyl acetate			0.0400	0.0430		mg/Kg		107	58 - 143	0	30
Methyl tert-butyl ether			0.0200	0.0241		mg/Kg		121	80 - 125	15	30
Methylcyclohexane			0.0200	0.0207		mg/Kg		103	79 - 133	3	30
Methylene Chloride			0.0200	0.0238		mg/Kg		119	76 - 127	13	30
m-Xylene & p-Xylene			0.0200	0.0208		mg/Kg		104	80 - 120	1	30
o-Xylene			0.0200	0.0211		mg/Kg		106	80 - 120	1	30
Styrene			0.0200	0.0208		mg/Kg		104	80 - 120	3	30
Tetrachloroethene			0.0200	0.0213		mg/Kg		107	78 - 123	2	30
Toluene			0.0200	0.0213		mg/Kg		107	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0234		mg/Kg		117	78 - 128	7	30
trans-1,3-Dichloropropene			0.0200	0.0211		mg/Kg		106	68 - 120	11	30
Trichloroethene			0.0200	0.0217		mg/Kg		108	79 - 120	9	30
Trichlorofluoromethane			0.0200	0.0213		mg/Kg		107	67 - 142	5	30
Vinyl chloride			0.0200	0.0236		mg/Kg		118	56 - 147	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*
4-Bromofluorobenzene	*115*		*70 - 139*
Dibromofluoromethane (Surr)	*118*		*48 - 150*
Toluene-d8 (Surr)	*111*		*80 - 120*

Lab Sample ID: MB 460-781753/8
Matrix: Solid
Analysis Batch: 781753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:39	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/02/21 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/02/21 11:39	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:39	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/02/21 11:39	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:39	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:39	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:39	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/02/21 11:39	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:39	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/02/21 11:39	1

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

Lab Sample ID: MB 460-781753/8
Matrix: Solid
Analysis Batch: 781753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/02/21 11:39	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/02/21 11:39	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:39	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/02/21 11:39	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/02/21 11:39	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/02/21 11:39	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/02/21 11:39	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/02/21 11:39	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/02/21 11:39	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/02/21 11:39	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:39	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/02/21 11:39	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:39	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/02/21 11:39	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/02/21 11:39	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/02/21 11:39	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/02/21 11:39	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/02/21 11:39	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/02/21 11:39	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:39	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/02/21 11:39	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/02/21 11:39	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/02/21 11:39	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/02/21 11:39	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/02/21 11:39	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/02/21 11:39	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/02/21 11:39	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/02/21 11:39	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/02/21 11:39	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/02/21 11:39	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/02/21 11:39	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/02/21 11:39	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/02/21 11:39	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/02/21 11:39	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/02/21 11:39	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/02/21 11:39	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/02/21 11:39	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/02/21 11:39	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/02/21 11:39	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/02/21 11:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/02/21 11:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*		*06/02/21 11:39*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*		*06/02/21 11:39*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*		*06/02/21 11:39*	*1*

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

Lab Sample ID: MB 460-781753/8
Matrix: Solid
Analysis Batch: 781753

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		06/02/21 11:39	1

Lab Sample ID: LCS 460-781753/4
Matrix: Solid
Analysis Batch: 781753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0196		mg/Kg		98	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0214		mg/Kg		107	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		101	78 - 136
1,1,2-Trichloroethane	0.0200	0.0209		mg/Kg		105	75 - 120
1,1-Dichloroethane	0.0200	0.0209		mg/Kg		104	76 - 129
1,1-Dichloroethene	0.0200	0.0203		mg/Kg		101	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0223		mg/Kg		111	60 - 126
1,2-Dichlorobenzene	0.0200	0.0211		mg/Kg		106	80 - 120
1,2-Dichloroethane	0.0200	0.0203		mg/Kg		102	70 - 132
1,2-Dichloropropane	0.0200	0.0204		mg/Kg		102	73 - 124
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
1,4-Dichlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120
2-Butanone (MEK)	0.100	0.101		mg/Kg		101	75 - 120
2-Hexanone	0.100	0.0997		mg/Kg		100	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.102		mg/Kg		102	80 - 122
Acetone	0.100	0.0887		mg/Kg		89	63 - 131
Benzene	0.0200	0.0203		mg/Kg		102	80 - 123
Bromoform	0.0200	0.0202		mg/Kg		101	48 - 142
Bromomethane	0.0200	0.0270		mg/Kg		135	46 - 150
Carbon disulfide	0.0200	0.0210		mg/Kg		105	67 - 136
Carbon tetrachloride	0.0200	0.0194		mg/Kg		97	72 - 136
Chlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
Chlorobromomethane	0.0200	0.0217		mg/Kg		109	76 - 127
Chlorodibromomethane	0.0200	0.0207		mg/Kg		103	62 - 128
Chloroethane	0.0200	0.0221		mg/Kg		110	49 - 150
Chloroform	0.0200	0.0206		mg/Kg		103	79 - 126
Chloromethane	0.0200	0.0207		mg/Kg		104	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0206		mg/Kg		103	72 - 120
Cyclohexane	0.0200	0.0200		mg/Kg		100	80 - 132
Dichlorobromomethane	0.0200	0.0203		mg/Kg		101	73 - 124
Dichlorodifluoromethane	0.0200	0.0188		mg/Kg		94	40 - 146
Ethylbenzene	0.0200	0.0204		mg/Kg		102	80 - 120
Ethylene Dibromide	0.0200	0.0211		mg/Kg		105	79 - 120
Isopropylbenzene	0.0200	0.0202		mg/Kg		101	80 - 120
Methyl acetate	0.0400	0.0463		mg/Kg		116	58 - 143
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	80 - 125
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133
Methylene Chloride	0.0200	0.0209		mg/Kg		104	76 - 127

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

Lab Sample ID: LCS 460-781753/4
Matrix: Solid
Analysis Batch: 781753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		101	80 - 120
o-Xylene	0.0200	0.0207		mg/Kg		103	80 - 120
Styrene	0.0200	0.0209		mg/Kg		105	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	78 - 123
Toluene	0.0200	0.0202		mg/Kg		101	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0209		mg/Kg		105	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0207		mg/Kg		104	68 - 120
Trichloroethene	0.0200	0.0199		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0200		mg/Kg		100	67 - 142
Vinyl chloride	0.0200	0.0218		mg/Kg		109	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*107*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-781753/5
Matrix: Solid
Analysis Batch: 781753

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0215		mg/Kg		107	78 - 132	9	30
1,1,2,2-Tetrachloroethane	0.0200	0.0206		mg/Kg		103	69 - 123	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0221		mg/Kg		110	78 - 136	9	30
1,1,2-Trichloroethane	0.0200	0.0212		mg/Kg		106	75 - 120	2	30
1,1-Dichloroethane	0.0200	0.0222		mg/Kg		111	76 - 129	6	30
1,1-Dichloroethene	0.0200	0.0221		mg/Kg		111	77 - 132	9	30
1,2,3-Trichlorobenzene	0.0200	0.0213		mg/Kg		107	65 - 144	2	30
1,2,4-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0202		mg/Kg		101	60 - 126	10	30
1,2-Dichlorobenzene	0.0200	0.0217		mg/Kg		108	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0205		mg/Kg		103	70 - 132	1	30
1,2-Dichloropropane	0.0200	0.0214		mg/Kg		107	73 - 124	5	30
1,3-Dichlorobenzene	0.0200	0.0218		mg/Kg		109	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0218		mg/Kg		109	80 - 120	4	30
2-Butanone (MEK)	0.100	0.104		mg/Kg		104	75 - 120	4	30
2-Hexanone	0.100	0.104		mg/Kg		104	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.108		mg/Kg		108	80 - 122	5	30
Acetone	0.100	0.0892		mg/Kg		89	63 - 131	0	30
Benzene	0.0200	0.0219		mg/Kg		110	80 - 123	7	30
Bromoform	0.0200	0.0206		mg/Kg		103	48 - 142	2	30
Bromomethane	0.0200	0.0315	*	mg/Kg		158	46 - 150	15	30
Carbon disulfide	0.0200	0.0226		mg/Kg		113	67 - 136	7	30
Carbon tetrachloride	0.0200	0.0210		mg/Kg		105	72 - 136	8	30
Chlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120	5	30
Chlorobromomethane	0.0200	0.0222		mg/Kg		111	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0213		mg/Kg		106	62 - 128	3	30

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

Lab Sample ID: LCSD 460-781753/5
Matrix: Solid
Analysis Batch: 781753

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	0.0200	0.0240		mg/Kg		120	49 - 150	8	30
Chloroform	0.0200	0.0215		mg/Kg		107	79 - 126	4	30
Chloromethane	0.0200	0.0227		mg/Kg		113	48 - 150	9	30
cis-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0217		mg/Kg		109	72 - 120	5	30
Cyclohexane	0.0200	0.0218		mg/Kg		109	80 - 132	9	30
Dichlorobromomethane	0.0200	0.0208		mg/Kg		104	73 - 124	2	30
Dichlorodifluoromethane	0.0200	0.0221		mg/Kg		110	40 - 146	16	30
Ethylbenzene	0.0200	0.0219		mg/Kg		110	80 - 120	7	30
Ethylene Dibromide	0.0200	0.0210		mg/Kg		105	79 - 120	0	30
Isopropylbenzene	0.0200	0.0220		mg/Kg		110	80 - 120	9	30
Methyl acetate	0.0400	0.0422		mg/Kg		105	58 - 143	9	30
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	80 - 125	0	30
Methylcyclohexane	0.0200	0.0216		mg/Kg		108	79 - 133	8	30
Methylene Chloride	0.0200	0.0220		mg/Kg		110	76 - 127	5	30
m-Xylene & p-Xylene	0.0200	0.0217		mg/Kg		108	80 - 120	8	30
o-Xylene	0.0200	0.0220		mg/Kg		110	80 - 120	6	30
Styrene	0.0200	0.0222		mg/Kg		111	80 - 120	6	30
Tetrachloroethene	0.0200	0.0212		mg/Kg		106	78 - 123	8	30
Toluene	0.0200	0.0218		mg/Kg		109	80 - 120	7	30
trans-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	78 - 128	7	30
trans-1,3-Dichloropropene	0.0200	0.0213		mg/Kg		106	68 - 120	3	30
Trichloroethene	0.0200	0.0216		mg/Kg		108	79 - 120	8	30
Trichlorofluoromethane	0.0200	0.0230		mg/Kg		115	67 - 142	14	30
Vinyl chloride	0.0200	0.0245		mg/Kg		122	56 - 147	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*106*		*48 - 150*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 460-781950/9
Matrix: Solid
Analysis Batch: 781950

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/03/21 09:24	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/03/21 09:24	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/03/21 09:24	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/03/21 09:24	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/03/21 09:24	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/03/21 09:24	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/03/21 09:24	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/03/21 09:24	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/03/21 09:24	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/03/21 09:24	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/03/21 09:24	1

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

Lab Sample ID: MB 460-781950/9
Matrix: Solid
Analysis Batch: 781950

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		06/03/21 09:24	1
4-Bromofluorobenzene	90		76 - 120		06/03/21 09:24	1
Dibromofluoromethane (Surr)	94		77 - 124		06/03/21 09:24	1
Toluene-d8 (Surr)	92		80 - 120		06/03/21 09:24	1

Lab Sample ID: LCS 460-781950/4
Matrix: Solid
Analysis Batch: 781950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0191		mg/L		95	68 - 133
1,2-Dichloroethane	0.0200	0.0179		mg/L		89	75 - 121
1,4-Dichlorobenzene	0.0200	0.0191		mg/L		95	80 - 118
2-Butanone (MEK)	0.100	0.0913		mg/L		91	69 - 128
Benzene	0.0200	0.0191		mg/L		95	78 - 126
Carbon tetrachloride	0.0200	0.0186		mg/L		93	56 - 131
Chlorobenzene	0.0200	0.0188		mg/L		94	80 - 119
Chloroform	0.0200	0.0186		mg/L		93	78 - 125
Tetrachloroethene	0.0200	0.0189		mg/L		94	70 - 127
Trichloroethene	0.0200	0.0184		mg/L		92	71 - 121
Vinyl chloride	0.0200	0.0182		mg/L		91	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		75 - 123
4-Bromofluorobenzene	91		76 - 120
Dibromofluoromethane (Surr)	90		77 - 124
Toluene-d8 (Surr)	91		80 - 120

Lab Sample ID: LCSD 460-781950/5
Matrix: Solid
Analysis Batch: 781950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0193		mg/L		96	68 - 133	1	30
1,2-Dichloroethane	0.0200	0.0180		mg/L		90	75 - 121	0	30
1,4-Dichlorobenzene	0.0200	0.0188		mg/L		94	80 - 118	2	30
2-Butanone (MEK)	0.100	0.0905		mg/L		91	69 - 128	1	30
Benzene	0.0200	0.0196		mg/L		98	78 - 126	2	30
Carbon tetrachloride	0.0200	0.0189		mg/L		95	56 - 131	2	30
Chlorobenzene	0.0200	0.0194		mg/L		97	80 - 119	3	30
Chloroform	0.0200	0.0188		mg/L		94	78 - 125	1	30
Tetrachloroethene	0.0200	0.0195		mg/L		98	70 - 127	3	30
Trichloroethene	0.0200	0.0184		mg/L		92	71 - 121	0	30
Vinyl chloride	0.0200	0.0190		mg/L		95	61 - 144	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		75 - 123
4-Bromofluorobenzene	92		76 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-781950/5
Matrix: Solid
Analysis Batch: 781950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*89*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: MB 460-782178/9
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/04/21 09:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/04/21 09:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/04/21 09:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/04/21 09:05	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/04/21 09:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/04/21 09:05	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/04/21 09:05	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/04/21 09:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/04/21 09:05	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/04/21 09:05	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/04/21 09:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/04/21 09:05*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/04/21 09:05*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/04/21 09:05*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/04/21 09:05*	*1*

Lab Sample ID: LCS 460-782178/4
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0197		mg/L		99	68 - 133
1,2-Dichloroethane	0.0200	0.0190		mg/L		95	75 - 121
1,4-Dichlorobenzene	0.0200	0.0191		mg/L		95	80 - 118
2-Butanone (MEK)	0.100	0.0923		mg/L		92	69 - 128
Benzene	0.0200	0.0200		mg/L		100	78 - 126
Carbon tetrachloride	0.0200	0.0197		mg/L		99	56 - 131
Chlorobenzene	0.0200	0.0197		mg/L		99	80 - 119
Chloroform	0.0200	0.0198		mg/L		99	78 - 125
Tetrachloroethene	0.0200	0.0192		mg/L		96	70 - 127
Trichloroethene	0.0200	0.0192		mg/L		96	71 - 121
Vinyl chloride	0.0200	0.0196		mg/L		98	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*90*		*76 - 120*
Dibromofluoromethane (Surr)	*94*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCSD 460-782178/5
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0206		mg/L		103	68 - 133	4	30
1,2-Dichloroethane			0.0200	0.0190		mg/L		95	75 - 121	0	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118	4	30
2-Butanone (MEK)			0.100	0.0963		mg/L		96	69 - 128	4	30
Benzene			0.0200	0.0199		mg/L		99	78 - 126	1	30
Carbon tetrachloride			0.0200	0.0203		mg/L		101	56 - 131	3	30
Chlorobenzene			0.0200	0.0201		mg/L		100	80 - 119	2	30
Chloroform			0.0200	0.0204		mg/L		102	78 - 125	3	30
Tetrachloroethene			0.0200	0.0196		mg/L		98	70 - 127	2	30
Trichloroethene			0.0200	0.0195		mg/L		97	71 - 121	2	30
Vinyl chloride			0.0200	0.0207		mg/L		103	61 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LB 460-780644/1-A
Matrix: Solid
Analysis Batch: 780934

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/28/21 14:04	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/28/21 14:04	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/28/21 14:04	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/28/21 14:04	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/28/21 14:04	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/28/21 14:04	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/28/21 14:04	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/28/21 14:04	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/28/21 14:04	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/28/21 14:04	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/28/21 14:04	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*05/28/21 14:04*	*10*
4-Bromofluorobenzene	*97*		*76 - 120*		*05/28/21 14:04*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*05/28/21 14:04*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/28/21 14:04*	*10*

Lab Sample ID: LB 460-780895/1-A
Matrix: Solid
Analysis Batch: 781159

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			05/29/21 15:15	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/29/21 15:15	10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-780895/1-A
Matrix: Solid
Analysis Batch: 781159

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			05/29/21 15:15	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/29/21 15:15	10
Benzene	0.010	U	0.010	0.0020	mg/L			05/29/21 15:15	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/29/21 15:15	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/29/21 15:15	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/29/21 15:15	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/29/21 15:15	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/29/21 15:15	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/29/21 15:15	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*05/29/21 15:15*	*10*
4-Bromofluorobenzene	*100*		*76 - 120*		*05/29/21 15:15*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*05/29/21 15:15*	*10*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/29/21 15:15*	*10*

Lab Sample ID: LB 460-781676/1-A
Matrix: Solid
Analysis Batch: 781950

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/03/21 10:09	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/03/21 10:09	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/03/21 10:09	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/03/21 10:09	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/03/21 10:09	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/03/21 10:09	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/03/21 10:09	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/03/21 10:09	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/03/21 10:09	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/03/21 10:09	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/03/21 10:09	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 123*		*06/03/21 10:09*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/03/21 10:09*	*10*
Dibromofluoromethane (Surr)	*90*		*77 - 124*		*06/03/21 10:09*	*10*
Toluene-d8 (Surr)	*88*		*80 - 120*		*06/03/21 10:09*	*10*

Lab Sample ID: LB 460-781952/1-A
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 09:50	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 09:50	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 09:50	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 09:50	10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-781952/1-A
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 09:50	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 09:50	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 09:50	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 09:50	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 09:50	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 09:50	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 09:50	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*06/04/21 09:50*	*10*
4-Bromofluorobenzene	*86*		*76 - 120*		*06/04/21 09:50*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/04/21 09:50*	*10*
Toluene-d8 (Surr)	*88*		*80 - 120*		*06/04/21 09:50*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-780250/1-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/25/21 19:15	05/26/21 08:18	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-780250/1-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/25/21 19:15	05/26/21 08:18	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/25/21 19:15	05/26/21 08:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decane	*0.0544*	*J*	*mg/Kg*		*3.98*	*124-18-5*	*05/25/21 19:15*	*05/26/21 08:18*	*1*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/25/21 19:15*	*05/26/21 08:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*10 - 123*	*05/25/21 19:15*	*05/26/21 08:18*	*1*
2-Fluorobiphenyl	*82*		*14 - 103*	*05/25/21 19:15*	*05/26/21 08:18*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-780250/1-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780250

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	78		10 - 105	05/25/21 19:15	05/26/21 08:18	1
Nitrobenzene-d5 (Surr)	80		11 - 104	05/25/21 19:15	05/26/21 08:18	1
Phenol-d5 (Surr)	80		15 - 100	05/25/21 19:15	05/26/21 08:18	1
Terphenyl-d14 (Surr)	81		12 - 126	05/25/21 19:15	05/26/21 08:18	1

Lab Sample ID: LCS 460-780250/2-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.63		mg/Kg		79	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.78		mg/Kg		83	64 - 110
1,4-Dioxane	3.33	2.18		mg/Kg		65	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.21		mg/Kg		66	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.75		mg/Kg		83	58 - 113
2,4,5-Trichlorophenol	3.33	2.66		mg/Kg		80	64 - 112
2,4,6-Trichlorophenol	3.33	2.62		mg/Kg		79	63 - 113
2,4-Dichlorophenol	3.33	3.00		mg/Kg		90	66 - 113
2,4-Dimethylphenol	3.33	2.74		mg/Kg		82	63 - 107
2,4-Dinitrophenol	6.67	5.68		mg/Kg		85	25 - 150
2,4-Dinitrotoluene	3.33	3.20		mg/Kg		96	65 - 124
2,6-Dinitrotoluene	3.33	2.89		mg/Kg		87	67 - 121
2-Chloronaphthalene	3.33	2.70		mg/Kg		81	65 - 109
2-Chlorophenol	3.33	2.83		mg/Kg		85	63 - 106
2-Methylnaphthalene	3.33	3.00		mg/Kg		90	64 - 108
2-Methylphenol	3.33	2.79		mg/Kg		84	63 - 108
2-Nitroaniline	3.33	2.41		mg/Kg		72	59 - 119
2-Nitrophenol	3.33	2.81		mg/Kg		84	64 - 112
3,3'-Dichlorobenzidine	3.33	2.66		mg/Kg		80	17 - 101
3-Nitroaniline	3.33	2.51		mg/Kg		75	31 - 102
4,6-Dinitro-2-methylphenol	6.67	6.21		mg/Kg		93	44 - 136
4-Bromophenyl phenyl ether	3.33	2.74		mg/Kg		82	67 - 113
4-Chloro-3-methylphenol	3.33	2.93		mg/Kg		88	66 - 114
4-Chloroaniline	3.33	2.54		mg/Kg		76	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.98		mg/Kg		89	66 - 110
4-Methylphenol	3.33	2.74		mg/Kg		82	61 - 108
4-Nitroaniline	3.33	3.01		mg/Kg		90	50 - 110
4-Nitrophenol	6.67	4.97		mg/Kg		75	47 - 123
Acenaphthene	3.33	2.48		mg/Kg		74	53 - 110
Acenaphthylene	3.33	2.60		mg/Kg		78	64 - 108
Acetophenone	3.33	2.76		mg/Kg		83	61 - 103
Anthracene	3.33	2.73		mg/Kg		82	67 - 114
Atrazine	1.33	1.33		mg/Kg		100	44 - 145
Benzaldehyde	1.33	1.13		mg/Kg		85	43 - 150
Benzo[a]anthracene	3.33	2.61		mg/Kg		78	67 - 115
Benzo[a]pyrene	3.33	3.05		mg/Kg		92	73 - 123
Benzo[b]fluoranthene	3.33	2.72		mg/Kg		81	70 - 125
Benzo[g,h,i]perylene	3.33	3.63		mg/Kg		109	61 - 113

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-780250/2-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[k]fluoranthene	3.33	2.88		mg/Kg		86	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.65		mg/Kg		80	62 - 107
Bis(2-chloroethyl)ether	3.33	2.69		mg/Kg		81	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.94		mg/Kg		88	59 - 111
Butyl benzyl phthalate	3.33	2.56		mg/Kg		77	62 - 113
Caprolactam	1.33	1.36		mg/Kg		102	59 - 140
Carbazole	3.33	2.89		mg/Kg		87	64 - 113
Chrysene	3.33	2.79		mg/Kg		84	71 - 122
Dibenz(a,h)anthracene	3.33	3.90		mg/Kg		117	66 - 119
Dibenzofuran	3.33	2.85		mg/Kg		85	65 - 108
Diethyl phthalate	3.33	2.97		mg/Kg		89	63 - 109
Dimethyl phthalate	3.33	2.89		mg/Kg		87	65 - 109
Di-n-butyl phthalate	3.33	3.03		mg/Kg		91	66 - 114
Di-n-octyl phthalate	3.33	2.56		mg/Kg		77	65 - 122
Fluoranthene	3.33	3.16		mg/Kg		95	61 - 106
Fluorene	3.33	2.82		mg/Kg		85	65 - 109
Hexachlorobenzene	3.33	2.89		mg/Kg		87	61 - 113
Hexachlorobutadiene	3.33	3.15		mg/Kg		95	62 - 109
Hexachlorocyclopentadiene	3.33	2.34		mg/Kg		70	42 - 118
Hexachloroethane	3.33	2.83		mg/Kg		85	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	4.03		mg/Kg		121	62 - 121
Isophorone	3.33	2.72		mg/Kg		82	63 - 107
Naphthalene	3.33	2.83		mg/Kg		85	63 - 106
Nitrobenzene	3.33	2.90		mg/Kg		87	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.62		mg/Kg		79	61 - 108
N-Nitrosodiphenylamine	3.33	2.51		mg/Kg		75	67 - 113
Pentachlorophenol	6.67	4.98		mg/Kg		75	44 - 126
Phenanthrene	3.33	2.74		mg/Kg		82	66 - 112
Phenol	3.33	2.69		mg/Kg		81	63 - 110
Pyrene	3.33	2.18		mg/Kg		65	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*10 - 123*
2-Fluorobiphenyl	*75*		*14 - 103*
2-Fluorophenol (Surr)	*75*		*10 - 105*
Nitrobenzene-d5 (Surr)	*75*		*11 - 104*
Phenol-d5 (Surr)	*75*		*15 - 100*
Terphenyl-d14 (Surr)	*72*		*12 - 126*

Lab Sample ID: LCSD 460-780250/3-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.76		mg/Kg		83	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene	3.33	2.82		mg/Kg		85	64 - 110	1	30
1,4-Dioxane	3.33	2.01		mg/Kg		60	31 - 81	8	30
2,2'-oxybis[1-chloropropane]	3.33	2.26		mg/Kg		68	49 - 109	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-780250/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 780217
Prep Batch: 780250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,4,6-Tetrachlorophenol	3.33	2.95		mg/Kg		89	58 - 113	7	30
2,4,5-Trichlorophenol	3.33	2.86		mg/Kg		86	64 - 112	7	30
2,4,6-Trichlorophenol	3.33	2.82		mg/Kg		85	63 - 113	7	30
2,4-Dichlorophenol	3.33	3.14		mg/Kg		94	66 - 113	5	30
2,4-Dimethylphenol	3.33	2.86		mg/Kg		86	63 - 107	4	30
2,4-Dinitrophenol	6.67	6.05		mg/Kg		91	25 - 150	6	30
2,4-Dinitrotoluene	3.33	3.41		mg/Kg		102	65 - 124	6	30
2,6-Dinitrotoluene	3.33	3.10		mg/Kg		93	67 - 121	7	30
2-Chloronaphthalene	3.33	2.78		mg/Kg		84	65 - 109	3	30
2-Chlorophenol	3.33	3.02		mg/Kg		91	63 - 106	7	30
2-Methylnaphthalene	3.33	3.08		mg/Kg		92	64 - 108	2	30
2-Methylphenol	3.33	3.06		mg/Kg		92	63 - 108	9	30
2-Nitroaniline	3.33	2.58		mg/Kg		77	59 - 119	7	30
2-Nitrophenol	3.33	2.85		mg/Kg		85	64 - 112	1	30
3,3'-Dichlorobenzidine	3.33	2.72		mg/Kg		82	17 - 101	2	30
3-Nitroaniline	3.33	2.66		mg/Kg		80	31 - 102	6	30
4,6-Dinitro-2-methylphenol	6.67	6.46		mg/Kg		97	44 - 136	4	30
4-Bromophenyl phenyl ether	3.33	2.89		mg/Kg		87	67 - 113	5	30
4-Chloro-3-methylphenol	3.33	3.16		mg/Kg		95	66 - 114	8	30
4-Chloroaniline	3.33	2.66		mg/Kg		80	20 - 98	5	30
4-Chlorophenyl phenyl ether	3.33	3.14		mg/Kg		94	66 - 110	5	30
4-Methylphenol	3.33	3.02		mg/Kg		91	61 - 108	10	30
4-Nitroaniline	3.33	3.21		mg/Kg		96	50 - 110	6	30
4-Nitrophenol	6.67	5.34		mg/Kg		80	47 - 123	7	30
Acenaphthene	3.33	2.55		mg/Kg		76	53 - 110	3	30
Acenaphthylene	3.33	2.75		mg/Kg		83	64 - 108	6	30
Acetophenone	3.33	2.98		mg/Kg		89	61 - 103	8	30
Anthracene	3.33	2.89		mg/Kg		87	67 - 114	6	30
Atrazine	1.33	1.41		mg/Kg		106	44 - 145	6	30
Benzaldehyde	1.33	1.25		mg/Kg		94	43 - 150	10	30
Benzo[a]anthracene	3.33	2.69		mg/Kg		81	67 - 115	3	30
Benzo[a]pyrene	3.33	3.23		mg/Kg		97	73 - 123	6	30
Benzo[b]fluoranthene	3.33	3.12		mg/Kg		94	70 - 125	14	30
Benzo[g,h,i]perylene	3.33	3.72		mg/Kg		112	61 - 113	2	30
Benzo[k]fluoranthene	3.33	2.89		mg/Kg		87	67 - 115	1	30
Bis(2-chloroethoxy)methane	3.33	2.70		mg/Kg		81	62 - 107	2	30
Bis(2-chloroethyl)ether	3.33	2.84		mg/Kg		85	60 - 107	5	30
Bis(2-ethylhexyl) phthalate	3.33	3.00		mg/Kg		90	59 - 111	2	30
Butyl benzyl phthalate	3.33	2.73		mg/Kg		82	62 - 113	7	30
Caprolactam	1.33	1.50		mg/Kg		113	59 - 140	10	30
Carbazole	3.33	3.04		mg/Kg		91	64 - 113	5	30
Chrysene	3.33	2.94		mg/Kg		88	71 - 122	5	30
Dibenz(a,h)anthracene	3.33	4.05	*	mg/Kg		121	66 - 119	4	30
Dibenzofuran	3.33	2.99		mg/Kg		90	65 - 108	5	30
Diethyl phthalate	3.33	3.11		mg/Kg		93	63 - 109	5	30
Dimethyl phthalate	3.33	3.01		mg/Kg		90	65 - 109	4	30
Di-n-butyl phthalate	3.33	3.21		mg/Kg		96	66 - 114	6	30
Di-n-octyl phthalate	3.33	2.73		mg/Kg		82	65 - 122	6	30
Fluoranthene	3.33	3.29		mg/Kg		99	61 - 106	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-780250/3-A
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780250

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene			3.33	3.03		mg/Kg		91	65 - 109	7	30
Hexachlorobenzene			3.33	3.12		mg/Kg		94	61 - 113	7	30
Hexachlorobutadiene			3.33	3.21		mg/Kg		96	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.42		mg/Kg		73	42 - 118	3	30
Hexachloroethane			3.33	2.88		mg/Kg		87	61 - 102	2	30
Indeno[1,2,3-cd]pyrene			3.33	4.13	*	mg/Kg		124	62 - 121	2	30
Isophorone			3.33	2.86		mg/Kg		86	63 - 107	5	30
Naphthalene			3.33	2.89		mg/Kg		87	63 - 106	2	30
Nitrobenzene			3.33	3.12		mg/Kg		94	63 - 110	7	30
N-Nitrosodi-n-propylamine			3.33	2.86		mg/Kg		86	61 - 108	9	30
N-Nitrosodiphenylamine			3.33	2.67		mg/Kg		80	67 - 113	6	30
Pentachlorophenol			6.67	5.26		mg/Kg		79	44 - 126	5	30
Phenanthrene			3.33	2.89		mg/Kg		87	66 - 112	6	30
Phenol			3.33	2.89		mg/Kg		87	63 - 110	7	30
Pyrene			3.33	2.34		mg/Kg		70	61 - 111	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*77*		*10 - 105*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*77*		*12 - 126*

Lab Sample ID: 460-234863-H-1-A MS
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.37	U	3.74	3.38		mg/Kg	☼	90	65 - 110
1,2,4,5-Tetrachlorobenzene	0.37	U	3.74	3.47		mg/Kg	☼	93	64 - 110
1,4-Dioxane	0.037	U	3.74	1.93		mg/Kg	☼	52	31 - 81
2,2'-oxybis[1-chloropropane]	0.37	U	3.74	2.65		mg/Kg	☼	71	49 - 109
2,3,4,6-Tetrachlorophenol	0.37	U	3.74	3.76		mg/Kg	☼	101	58 - 113
2,4,5-Trichlorophenol	0.37	U	3.74	3.45		mg/Kg	☼	92	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.74	3.55		mg/Kg	☼	95	63 - 113
2,4-Dichlorophenol	0.15	U	3.74	3.89		mg/Kg	☼	104	66 - 113
2,4-Dimethylphenol	0.37	U	3.74	3.54		mg/Kg	☼	95	63 - 107
2,4-Dinitrophenol	0.30	U	7.48	7.48		mg/Kg	☼	100	25 - 150
2,4-Dinitrotoluene	0.075	U	3.74	3.95		mg/Kg	☼	106	65 - 124
2,6-Dinitrotoluene	0.075	U	3.74	3.74		mg/Kg	☼	100	67 - 121
2-Chloronaphthalene	0.37	U	3.74	3.42		mg/Kg	☼	91	65 - 109
2-Chlorophenol	0.37	U	3.74	3.60		mg/Kg	☼	96	63 - 106
2-Methylnaphthalene	0.37	U	3.74	3.75		mg/Kg	☼	100	64 - 108
2-Methylphenol	0.37	U	3.74	3.69		mg/Kg	☼	99	63 - 108
2-Nitroaniline	0.37	U	3.74	3.11		mg/Kg	☼	83	59 - 119
2-Nitrophenol	0.37	U	3.74	3.51		mg/Kg	☼	94	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.74	2.29		mg/Kg	☼	61	17 - 101

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234863-H-1-A MS
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	0.37	U	3.74	2.84		mg/Kg	☼	76	31 - 102
4,6-Dinitro-2-methylphenol	0.30	U	7.48	7.22		mg/Kg	☼	97	44 - 136
4-Bromophenyl phenyl ether	0.37	U	3.74	3.60		mg/Kg	☼	96	67 - 113
4-Chloro-3-methylphenol	0.37	U	3.74	3.81		mg/Kg	☼	102	66 - 114
4-Chloroaniline	0.37	U	3.74	2.64		mg/Kg	☼	71	20 - 98
4-Chlorophenyl phenyl ether	0.37	U	3.74	3.74		mg/Kg	☼	100	66 - 110
4-Methylphenol	0.37	U	3.74	3.66		mg/Kg	☼	98	61 - 108
4-Nitroaniline	0.37	U	3.74	3.55		mg/Kg	☼	95	50 - 110
4-Nitrophenol	0.75	U	7.48	6.53		mg/Kg	☼	87	47 - 123
Acenaphthene	0.37	U	3.74	3.18		mg/Kg	☼	85	53 - 110
Acenaphthylene	0.37	U	3.74	3.39		mg/Kg	☼	91	64 - 108
Acetophenone	0.37	U	3.74	3.48		mg/Kg	☼	93	61 - 103
Anthracene	0.37	U	3.74	3.50		mg/Kg	☼	94	67 - 114
Atrazine	0.15	U	1.50	1.68		mg/Kg	☼	112	44 - 145
Benzaldehyde	0.37	U	1.50	1.42	E	mg/Kg	☼	95	43 - 150
Benzo[a]anthracene	0.037	U	3.74	3.32		mg/Kg	☼	89	67 - 115
Benzo[a]pyrene	0.037	U	3.74	4.01		mg/Kg	☼	107	73 - 123
Benzo[b]fluoranthene	0.037	U	3.74	4.10		mg/Kg	☼	110	70 - 125
Benzo[g,h,i]perylene	0.37	U	3.74	4.11		mg/Kg	☼	110	61 - 113
Benzo[k]fluoranthene	0.037	U	3.74	3.61		mg/Kg	☼	96	67 - 115
Bis(2-chloroethoxy)methane	0.37	U	3.74	3.30		mg/Kg	☼	88	62 - 107
Bis(2-chloroethyl)ether	0.037	U	3.74	3.26		mg/Kg	☼	87	60 - 107
Bis(2-ethylhexyl) phthalate	0.37	U	3.74	3.29		mg/Kg	☼	88	59 - 111
Butyl benzyl phthalate	0.37	U	3.74	3.27		mg/Kg	☼	87	62 - 113
Caprolactam	0.37	U	1.50	1.71		mg/Kg	☼	114	59 - 140
Carbazole	0.37	U	3.74	3.52		mg/Kg	☼	94	64 - 113
Chrysene	0.37	U	3.74	3.50		mg/Kg	☼	94	71 - 122
Dibenz(a,h)anthracene	0.037	U *	3.74	4.48	*	mg/Kg	☼	120	66 - 119
Dibenzofuran	0.37	U	3.74	3.63		mg/Kg	☼	97	65 - 108
Diethyl phthalate	0.37	U	3.74	3.66		mg/Kg	☼	98	63 - 109
Dimethyl phthalate	0.37	U	3.74	3.55		mg/Kg	☼	95	65 - 109
Di-n-butyl phthalate	0.37	U	3.74	3.55		mg/Kg	☼	95	66 - 114
Di-n-octyl phthalate	0.37	U	3.74	3.46		mg/Kg	☼	93	65 - 122
Fluoranthene	0.37	U	3.74	3.75		mg/Kg	☼	100	61 - 106
Fluorene	0.37	U	3.74	3.67		mg/Kg	☼	98	65 - 109
Hexachlorobenzene	0.037	U	3.74	3.87		mg/Kg	☼	104	61 - 113
Hexachlorobutadiene	0.075	U	3.74	3.88		mg/Kg	☼	104	62 - 109
Hexachlorocyclopentadiene	0.37	U	3.74	2.81		mg/Kg	☼	75	42 - 118
Hexachloroethane	0.037	U	3.74	3.25		mg/Kg	☼	87	61 - 102
Indeno[1,2,3-cd]pyrene	0.037	U *	3.74	4.41		mg/Kg	☼	118	62 - 121
Isophorone	0.15	U	3.74	3.44		mg/Kg	☼	92	63 - 107
Naphthalene	0.37	U	3.74	3.51		mg/Kg	☼	94	63 - 106
Nitrobenzene	0.037	U	3.74	3.71		mg/Kg	☼	99	63 - 110
N-Nitrosodi-n-propylamine	0.037	U	3.74	3.41		mg/Kg	☼	91	61 - 108
N-Nitrosodiphenylamine	0.37	U	3.74	3.31		mg/Kg	☼	89	67 - 113
Pentachlorophenol	0.30	U	7.48	6.76		mg/Kg	☼	90	44 - 126
Phenanthrene	0.37	U	3.74	3.50		mg/Kg	☼	94	66 - 112
Phenol	0.37	U	3.74	3.50		mg/Kg	☼	94	63 - 110
Pyrene	0.37	U	3.74	3.20		mg/Kg	☼	85	61 - 111

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*119*		*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*95*		*12 - 126*

Lab Sample ID: 460-234863-H-1-B MSD
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.37	U	3.74	3.28		mg/Kg	☼	88	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	0.37	U	3.74	3.27		mg/Kg	☼	87	64 - 110	6	30
1,4-Dioxane	0.037	U	3.74	1.91		mg/Kg	☼	51	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	0.37	U	3.74	2.59		mg/Kg	☼	69	49 - 109	2	30
2,3,4,6-Tetrachlorophenol	0.37	U	3.74	3.85		mg/Kg	☼	103	58 - 113	2	30
2,4,5-Trichlorophenol	0.37	U	3.74	3.48		mg/Kg	☼	93	64 - 112	1	30
2,4,6-Trichlorophenol	0.15	U	3.74	3.52		mg/Kg	☼	94	63 - 113	1	30
2,4-Dichlorophenol	0.15	U	3.74	3.73		mg/Kg	☼	100	66 - 113	4	30
2,4-Dimethylphenol	0.37	U	3.74	3.43		mg/Kg	☼	92	63 - 107	3	30
2,4-Dinitrophenol	0.30	U	7.48	8.48		mg/Kg	☼	113	25 - 150	13	30
2,4-Dinitrotoluene	0.075	U	3.74	4.11		mg/Kg	☼	110	65 - 124	4	30
2,6-Dinitrotoluene	0.075	U	3.74	3.74		mg/Kg	☼	100	67 - 121	0	30
2-Chloronaphthalene	0.37	U	3.74	3.23		mg/Kg	☼	86	65 - 109	6	30
2-Chlorophenol	0.37	U	3.74	3.53		mg/Kg	☼	95	63 - 106	2	30
2-Methylnaphthalene	0.37	U	3.74	3.61		mg/Kg	☼	97	64 - 108	4	30
2-Methylphenol	0.37	U	3.74	3.71		mg/Kg	☼	99	63 - 108	1	30
2-Nitroaniline	0.37	U	3.74	3.13		mg/Kg	☼	84	59 - 119	1	30
2-Nitrophenol	0.37	U	3.74	3.37		mg/Kg	☼	90	64 - 112	4	30
3,3'-Dichlorobenzidine	0.15	U	3.74	2.32		mg/Kg	☼	62	17 - 101	1	30
3-Nitroaniline	0.37	U	3.74	2.93		mg/Kg	☼	78	31 - 102	3	30
4,6-Dinitro-2-methylphenol	0.30	U	7.48	7.19		mg/Kg	☼	96	44 - 136	0	30
4-Bromophenyl phenyl ether	0.37	U	3.74	3.40		mg/Kg	☼	91	67 - 113	6	30
4-Chloro-3-methylphenol	0.37	U	3.74	3.86		mg/Kg	☼	103	66 - 114	1	30
4-Chloroaniline	0.37	U	3.74	2.75		mg/Kg	☼	74	20 - 98	4	30
4-Chlorophenyl phenyl ether	0.37	U	3.74	3.77		mg/Kg	☼	101	66 - 110	1	30
4-Methylphenol	0.37	U	3.74	3.69		mg/Kg	☼	99	61 - 108	1	30
4-Nitroaniline	0.37	U	3.74	3.77		mg/Kg	☼	101	50 - 110	6	30
4-Nitrophenol	0.75	U	7.48	7.00		mg/Kg	☼	94	47 - 123	7	30
Acenaphthene	0.37	U	3.74	3.10		mg/Kg	☼	83	53 - 110	2	30
Acenaphthylene	0.37	U	3.74	3.31		mg/Kg	☼	89	64 - 108	2	30
Acetophenone	0.37	U	3.74	3.48		mg/Kg	☼	93	61 - 103	0	30
Anthracene	0.37	U	3.74	3.33		mg/Kg	☼	89	67 - 114	5	30
Atrazine	0.15	U	1.50	1.57		mg/Kg	☼	105	44 - 145	7	30
Benzaldehyde	0.37	U	1.50	1.36	E	mg/Kg	☼	91	43 - 150	4	30
Benzo[a]anthracene	0.037	U	3.74	3.21		mg/Kg	☼	86	67 - 115	3	30
Benzo[a]pyrene	0.037	U	3.74	3.91		mg/Kg	☼	105	73 - 123	2	30
Benzo[b]fluoranthene	0.037	U	3.74	3.89		mg/Kg	☼	104	70 - 125	5	30
Benzo[g,h,i]perylene	0.37	U	3.74	4.00		mg/Kg	☼	107	61 - 113	3	30
Benzo[k]fluoranthene	0.037	U	3.74	3.67		mg/Kg	☼	98	67 - 115	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234863-H-1-B MSD
Matrix: Solid
Analysis Batch: 780217

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	0.37	U	3.74	3.15		mg/Kg	☼	84	62 - 107	5	30
Bis(2-chloroethyl)ether	0.037	U	3.74	3.18		mg/Kg	☼	85	60 - 107	3	30
Bis(2-ethylhexyl) phthalate	0.37	U	3.74	3.20		mg/Kg	☼	86	59 - 111	3	30
Butyl benzyl phthalate	0.37	U	3.74	3.14		mg/Kg	☼	84	62 - 113	4	30
Caprolactam	0.37	U	1.50	1.68		mg/Kg	☼	113	59 - 140	1	30
Carbazole	0.37	U	3.74	3.51		mg/Kg	☼	94	64 - 113	0	30
Chrysene	0.37	U	3.74	3.41		mg/Kg	☼	91	71 - 122	3	30
Dibenz(a,h)anthracene	0.037	U *	3.74	4.42		mg/Kg	☼	118	66 - 119	2	30
Dibenzofuran	0.37	U	3.74	3.53		mg/Kg	☼	94	65 - 108	3	30
Diethyl phthalate	0.37	U	3.74	3.69		mg/Kg	☼	99	63 - 109	1	30
Dimethyl phthalate	0.37	U	3.74	3.56		mg/Kg	☼	95	65 - 109	0	30
Di-n-butyl phthalate	0.37	U	3.74	3.51		mg/Kg	☼	94	66 - 114	1	30
Di-n-octyl phthalate	0.37	U	3.74	3.40		mg/Kg	☼	91	65 - 122	2	30
Fluoranthene	0.37	U	3.74	3.74		mg/Kg	☼	100	61 - 106	0	30
Fluorene	0.37	U	3.74	3.67		mg/Kg	☼	98	65 - 109	0	30
Hexachlorobenzene	0.037	U	3.74	3.66		mg/Kg	☼	98	61 - 113	6	30
Hexachlorobutadiene	0.075	U	3.74	3.64		mg/Kg	☼	97	62 - 109	6	30
Hexachlorocyclopentadiene	0.37	U	3.74	2.67		mg/Kg	☼	71	42 - 118	5	30
Hexachloroethane	0.037	U	3.74	3.13		mg/Kg	☼	84	61 - 102	4	30
Indeno[1,2,3-cd]pyrene	0.037	U *	3.74	4.44		mg/Kg	☼	119	62 - 121	1	30
Isophorone	0.15	U	3.74	3.31		mg/Kg	☼	89	63 - 107	4	30
Naphthalene	0.37	U	3.74	3.37		mg/Kg	☼	90	63 - 106	4	30
Nitrobenzene	0.037	U	3.74	3.72		mg/Kg	☼	99	63 - 110	0	30
N-Nitrosodi-n-propylamine	0.037	U	3.74	3.39		mg/Kg	☼	91	61 - 108	1	30
N-Nitrosodiphenylamine	0.37	U	3.74	3.09		mg/Kg	☼	83	67 - 113	7	30
Pentachlorophenol	0.30	U	7.48	6.71		mg/Kg	☼	90	44 - 126	1	30
Phenanthrene	0.37	U	3.74	3.40		mg/Kg	☼	91	66 - 112	3	30
Phenol	0.37	U	3.74	3.49		mg/Kg	☼	93	63 - 110	0	30
Pyrene	0.37	U	3.74	3.05		mg/Kg	☼	82	61 - 111	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*123*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*
Nitrobenzene-d5 (Surr)	*79*		*11 - 104*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*90*		*12 - 126*

Lab Sample ID: MB 460-780679/1-A
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/27/21 19:35	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/27/21 19:35	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/27/21 19:35	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/27/21 19:35	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/27/21 19:35	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-780679/1-A
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/27/21 19:35	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/27/21 19:35	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/27/21 19:35	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/27/21 19:35	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/27/21 19:35	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/27/21 19:35	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/27/21 19:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*42*		*33 - 150*	*05/27/21 10:07*	*05/27/21 19:35*	*1*
2-Fluorobiphenyl	*60*		*42 - 127*	*05/27/21 10:07*	*05/27/21 19:35*	*1*
2-Fluorophenol (Surr)	*24*		*18 - 72*	*05/27/21 10:07*	*05/27/21 19:35*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 137*	*05/27/21 10:07*	*05/27/21 19:35*	*1*
Phenol-d5 (Surr)	*24*		*10 - 50*	*05/27/21 10:07*	*05/27/21 19:35*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 150*	*05/27/21 10:07*	*05/27/21 19:35*	*1*

Lab Sample ID: LCS 460-780679/2-A
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0699		mg/L		87	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0700		mg/L		87	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0711		mg/L		89	66 - 117
3 & 4 Methylphenol	0.0800	0.0536		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0762		mg/L		95	68 - 134
Pyridine	0.160	0.0579		mg/L		36	13 - 71
2-Methylphenol	0.0800	0.0602		mg/L		75	48 - 88
Hexachlorobenzene	0.0800	0.0602		mg/L		75	61 - 117
Hexachlorobutadiene	0.0800	0.0614		mg/L		77	10 - 133
Hexachloroethane	0.0800	0.0751		mg/L		94	17 - 115
Nitrobenzene	0.0800	0.0813		mg/L		102	71 - 116
Pentachlorophenol	0.160	0.130		mg/L		81	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*
2-Fluorobiphenyl	*99*		*42 - 127*
2-Fluorophenol (Surr)	*62*		*18 - 72*
Nitrobenzene-d5 (Surr)	*113*		*46 - 137*
Phenol-d5 (Surr)	*42*		*10 - 50*
Terphenyl-d14 (Surr)	*99*		*39 - 150*

Lab Sample ID: LCSD 460-780679/3-A
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780679

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0704		mg/L		88	40 - 102	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-780679/3-A
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780679

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol			0.0800	0.0707		mg/L		88	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0716		mg/L		90	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0543		mg/L		68	43 - 78	1	30
2,4-Dinitrotoluene			0.0800	0.0755		mg/L		94	68 - 134	1	30
Pyridine			0.160	0.0606		mg/L		38	13 - 71	5	30
2-Methylphenol			0.0800	0.0603		mg/L		75	48 - 88	0	30
Hexachlorobenzene			0.0800	0.0614		mg/L		77	61 - 117	2	30
Hexachlorobutadiene			0.0800	0.0623		mg/L		78	10 - 133	2	30
Hexachloroethane			0.0800	0.0755		mg/L		94	17 - 115	0	30
Nitrobenzene			0.0800	0.0806		mg/L		101	71 - 116	1	30
Pentachlorophenol			0.160	0.131		mg/L		82	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*
2-Fluorobiphenyl	*101*		*42 - 127*
2-Fluorophenol (Surr)	*63*		*18 - 72*
Nitrobenzene-d5 (Surr)	*112*		*46 - 137*
Phenol-d5 (Surr)	*42*		*10 - 50*
Terphenyl-d14 (Surr)	*97*		*39 - 150*

Lab Sample ID: MB 460-780798/1-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/27/21 18:07	05/28/21 08:21	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-780798/1-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/27/21 18:07	05/28/21 08:21	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/27/21 18:07	05/28/21 08:21	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decane	*0.0504*	*J*	*mg/Kg*		*3.95*	*124-18-5*	*05/27/21 18:07*	*05/28/21 08:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-780798/1-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780798

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg				05/27/21 18:07	05/28/21 08:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		10 - 123	05/27/21 18:07	05/28/21 08:21	1
2-Fluorobiphenyl	73		14 - 103	05/27/21 18:07	05/28/21 08:21	1
2-Fluorophenol (Surr)	68		10 - 105	05/27/21 18:07	05/28/21 08:21	1
Nitrobenzene-d5 (Surr)	71		11 - 104	05/27/21 18:07	05/28/21 08:21	1
Phenol-d5 (Surr)	69		15 - 100	05/27/21 18:07	05/28/21 08:21	1
Terphenyl-d14 (Surr)	79		12 - 126	05/27/21 18:07	05/28/21 08:21	1

Lab Sample ID: LCS 460-780798/2-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.71		mg/Kg		81	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.83		mg/Kg		85	64 - 110
1,4-Dioxane	3.33	2.19		mg/Kg		66	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.08		mg/Kg		62	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.84		mg/Kg		85	58 - 113
2,4,5-Trichlorophenol	3.33	2.80		mg/Kg		84	64 - 112
2,4,6-Trichlorophenol	3.33	2.76		mg/Kg		83	63 - 113
2,4-Dichlorophenol	3.33	2.93		mg/Kg		88	66 - 113
2,4-Dimethylphenol	3.33	2.70		mg/Kg		81	63 - 107
2,4-Dinitrophenol	6.67	4.82		mg/Kg		72	25 - 150
2,4-Dinitrotoluene	3.33	2.99		mg/Kg		90	65 - 124
2,6-Dinitrotoluene	3.33	2.87		mg/Kg		86	67 - 121
2-Chloronaphthalene	3.33	2.73		mg/Kg		82	65 - 109
2-Chlorophenol	3.33	2.73		mg/Kg		82	63 - 106
2-Methylnaphthalene	3.33	2.87		mg/Kg		86	64 - 108
2-Methylphenol	3.33	2.71		mg/Kg		81	63 - 108
2-Nitroaniline	3.33	2.43		mg/Kg		73	59 - 119
2-Nitrophenol	3.33	2.83		mg/Kg		85	64 - 112
3,3'-Dichlorobenzidine	3.33	2.86		mg/Kg		86	17 - 101
3-Nitroaniline	3.33	2.38		mg/Kg		72	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.44		mg/Kg		82	44 - 136
4-Bromophenyl phenyl ether	3.33	2.96		mg/Kg		89	67 - 113
4-Chloro-3-methylphenol	3.33	2.85		mg/Kg		85	66 - 114
4-Chloroaniline	3.33	2.68		mg/Kg		81	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.87		mg/Kg		86	66 - 110
4-Methylphenol	3.33	2.65		mg/Kg		79	61 - 108
4-Nitroaniline	3.33	2.55		mg/Kg		77	50 - 110
4-Nitrophenol	6.67	4.38		mg/Kg		66	47 - 123
Acenaphthene	3.33	2.49		mg/Kg		75	53 - 110
Acenaphthylene	3.33	2.64		mg/Kg		79	64 - 108
Acetophenone	3.33	2.65		mg/Kg		80	61 - 103
Anthracene	3.33	2.74		mg/Kg		82	67 - 114
Atrazine	1.33	1.25		mg/Kg		94	44 - 145

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-780798/2-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	1.33	1.10		mg/Kg		83	43 - 150
Benzo[a]anthracene	3.33	2.66		mg/Kg		80	67 - 115
Benzo[a]pyrene	3.33	3.10		mg/Kg		93	73 - 123
Benzo[b]fluoranthene	3.33	3.19		mg/Kg		96	70 - 125
Benzo[g,h,i]perylene	3.33	3.04		mg/Kg		91	61 - 113
Benzo[k]fluoranthene	3.33	2.81		mg/Kg		84	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.58		mg/Kg		77	62 - 107
Bis(2-chloroethyl)ether	3.33	2.55		mg/Kg		76	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.50		mg/Kg		75	59 - 111
Butyl benzyl phthalate	3.33	2.55		mg/Kg		77	62 - 113
Caprolactam	1.33	1.11		mg/Kg		83	59 - 140
Carbazole	3.33	2.66		mg/Kg		80	64 - 113
Chrysene	3.33	2.68		mg/Kg		80	71 - 122
Dibenz(a,h)anthracene	3.33	3.35		mg/Kg		100	66 - 119
Dibenzofuran	3.33	2.79		mg/Kg		84	65 - 108
Diethyl phthalate	3.33	2.77		mg/Kg		83	63 - 109
Dimethyl phthalate	3.33	2.79		mg/Kg		84	65 - 109
Di-n-butyl phthalate	3.33	2.74		mg/Kg		82	66 - 114
Di-n-octyl phthalate	3.33	2.48		mg/Kg		74	65 - 122
Fluoranthene	3.33	2.80		mg/Kg		84	61 - 106
Fluorene	3.33	2.79		mg/Kg		84	65 - 109
Hexachlorobenzene	3.33	3.12		mg/Kg		93	61 - 113
Hexachlorobutadiene	3.33	3.14		mg/Kg		94	62 - 109
Hexachlorocyclopentadiene	3.33	2.67		mg/Kg		80	42 - 118
Hexachloroethane	3.33	2.66		mg/Kg		80	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.39		mg/Kg		102	62 - 121
Isophorone	3.33	2.70		mg/Kg		81	63 - 107
Naphthalene	3.33	2.81		mg/Kg		84	63 - 106
Nitrobenzene	3.33	2.80		mg/Kg		84	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.59		mg/Kg		78	61 - 108
N-Nitrosodiphenylamine	3.33	2.66		mg/Kg		80	67 - 113
Pentachlorophenol	6.67	5.04		mg/Kg		76	44 - 126
Phenanthrene	3.33	2.72		mg/Kg		82	66 - 112
Phenol	3.33	2.59		mg/Kg		78	63 - 110
Pyrene	3.33	2.59		mg/Kg		78	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 123*
2-Fluorobiphenyl	*77*		*14 - 103*
2-Fluorophenol (Surr)	*71*		*10 - 105*
Nitrobenzene-d5 (Surr)	*74*		*11 - 104*
Phenol-d5 (Surr)	*73*		*15 - 100*
Terphenyl-d14 (Surr)	*86*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-780798/3-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780798

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.75		mg/Kg		83	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene			3.33	2.86		mg/Kg		86	64 - 110	1	30
1,4-Dioxane			3.33	2.22		mg/Kg		67	31 - 81	1	30
2,2'-oxybis[1-chloropropane]			3.33	2.09		mg/Kg		63	49 - 109	0	30
2,3,4,6-Tetrachlorophenol			3.33	2.86		mg/Kg		86	58 - 113	1	30
2,4,5-Trichlorophenol			3.33	2.86		mg/Kg		86	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	2.79		mg/Kg		84	63 - 113	1	30
2,4-Dichlorophenol			3.33	3.02		mg/Kg		91	66 - 113	3	30
2,4-Dimethylphenol			3.33	2.75		mg/Kg		83	63 - 107	2	30
2,4-Dinitrophenol			6.67	4.81		mg/Kg		72	25 - 150	0	30
2,4-Dinitrotoluene			3.33	2.93		mg/Kg		88	65 - 124	2	30
2,6-Dinitrotoluene			3.33	2.86		mg/Kg		86	67 - 121	0	30
2-Chloronaphthalene			3.33	2.76		mg/Kg		83	65 - 109	1	30
2-Chlorophenol			3.33	2.76		mg/Kg		83	63 - 106	1	30
2-Methylnaphthalene			3.33	2.94		mg/Kg		88	64 - 108	3	30
2-Methylphenol			3.33	2.73		mg/Kg		82	63 - 108	1	30
2-Nitroaniline			3.33	2.42		mg/Kg		73	59 - 119	0	30
2-Nitrophenol			3.33	2.85		mg/Kg		85	64 - 112	1	30
3,3'-Dichlorobenzidine			3.33	2.89		mg/Kg		87	17 - 101	1	30
3-Nitroaniline			3.33	2.38		mg/Kg		71	31 - 102	0	30
4,6-Dinitro-2-methylphenol			6.67	5.47		mg/Kg		82	44 - 136	1	30
4-Bromophenyl phenyl ether			3.33	3.06		mg/Kg		92	67 - 113	3	30
4-Chloro-3-methylphenol			3.33	2.89		mg/Kg		87	66 - 114	1	30
4-Chloroaniline			3.33	2.73		mg/Kg		82	20 - 98	2	30
4-Chlorophenyl phenyl ether			3.33	2.87		mg/Kg		86	66 - 110	0	30
4-Methylphenol			3.33	2.65		mg/Kg		79	61 - 108	0	30
4-Nitroaniline			3.33	2.49		mg/Kg		75	50 - 110	2	30
4-Nitrophenol			6.67	4.39		mg/Kg		66	47 - 123	0	30
Acenaphthene			3.33	2.48		mg/Kg		74	53 - 110	0	30
Acenaphthylene			3.33	2.66		mg/Kg		80	64 - 108	1	30
Acetophenone			3.33	2.69		mg/Kg		81	61 - 103	1	30
Anthracene			3.33	2.78		mg/Kg		83	67 - 114	1	30
Atrazine			1.33	1.20		mg/Kg		90	44 - 145	4	30
Benzaldehyde			1.33	1.08		mg/Kg		81	43 - 150	2	30
Benzo[a]anthracene			3.33	2.71		mg/Kg		81	67 - 115	2	30
Benzo[a]pyrene			3.33	3.13		mg/Kg		94	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.20		mg/Kg		96	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	3.11		mg/Kg		93	61 - 113	2	30
Benzo[k]fluoranthene			3.33	2.86		mg/Kg		86	67 - 115	2	30
Bis(2-chloroethoxy)methane			3.33	2.60		mg/Kg		78	62 - 107	1	30
Bis(2-chloroethyl)ether			3.33	2.58		mg/Kg		78	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	2.53		mg/Kg		76	59 - 111	1	30
Butyl benzyl phthalate			3.33	2.55		mg/Kg		77	62 - 113	0	30
Caprolactam			1.33	1.06		mg/Kg		79	59 - 140	5	30
Carbazole			3.33	2.67		mg/Kg		80	64 - 113	0	30
Chrysene			3.33	2.69		mg/Kg		81	71 - 122	1	30
Dibenz(a,h)anthracene			3.33	3.42		mg/Kg		103	66 - 119	2	30
Dibenzofuran			3.33	2.81		mg/Kg		84	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-780798/3-A
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780798

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	2.77		mg/Kg		83	63 - 109	0	30
Dimethyl phthalate			3.33	2.80		mg/Kg		84	65 - 109	0	30
Di-n-butyl phthalate			3.33	2.67		mg/Kg		80	66 - 114	3	30
Di-n-octyl phthalate			3.33	2.53		mg/Kg		76	65 - 122	2	30
Fluoranthene			3.33	2.79		mg/Kg		84	61 - 106	0	30
Fluorene			3.33	2.80		mg/Kg		84	65 - 109	0	30
Hexachlorobenzene			3.33	3.21		mg/Kg		96	61 - 113	3	30
Hexachlorobutadiene			3.33	3.22		mg/Kg		97	62 - 109	3	30
Hexachlorocyclopentadiene			3.33	2.72		mg/Kg		82	42 - 118	2	30
Hexachloroethane			3.33	2.69		mg/Kg		81	61 - 102	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.42		mg/Kg		103	62 - 121	1	30
Isophorone			3.33	2.74		mg/Kg		82	63 - 107	1	30
Naphthalene			3.33	2.84		mg/Kg		85	63 - 106	1	30
Nitrobenzene			3.33	2.84		mg/Kg		85	63 - 110	2	30
N-Nitrosodi-n-propylamine			3.33	2.60		mg/Kg		78	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	2.70		mg/Kg		81	67 - 113	1	30
Pentachlorophenol			6.67	5.18		mg/Kg		78	44 - 126	3	30
Phenanthrene			3.33	2.77		mg/Kg		83	66 - 112	2	30
Phenol			3.33	2.67		mg/Kg		80	63 - 110	3	30
Pyrene			3.33	2.62		mg/Kg		78	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*10 - 123*
2-Fluorobiphenyl	*79*		*14 - 103*
2-Fluorophenol (Surr)	*73*		*10 - 105*
Nitrobenzene-d5 (Surr)	*76*		*11 - 104*
Phenol-d5 (Surr)	*74*		*15 - 100*
Terphenyl-d14 (Surr)	*87*		*12 - 126*

Lab Sample ID: 460-234999-A-4-B MS
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.5	U	3.50	2.40	J	mg/Kg	☼	69	65 - 110
1,2,4,5-Tetrachlorobenzene	3.5	U	3.50	2.57	J	mg/Kg	☼	73	64 - 110
1,4-Dioxane	0.35	U	3.50	1.68		mg/Kg	☼	48	31 - 81
2,2'-oxybis[1-chloropropane]	3.5	U	3.50	1.83	J	mg/Kg	☼	52	49 - 109
2,3,4,6-Tetrachlorophenol	3.5	U	3.50	2.31	J	mg/Kg	☼	66	58 - 113
2,4,5-Trichlorophenol	3.5	U	3.50	2.32	J	mg/Kg	☼	66	64 - 112
2,4,6-Trichlorophenol	1.4	U	3.50	2.37		mg/Kg	☼	68	63 - 113
2,4-Dichlorophenol	1.4	U	3.50	2.47		mg/Kg	☼	70	66 - 113
2,4-Dimethylphenol	3.5	U	3.50	2.29	J	mg/Kg	☼	65	63 - 107
2,4-Dinitrophenol	2.8	U	7.01	2.21	J	mg/Kg	☼	31	25 - 150
2,4-Dinitrotoluene	0.70	U	3.50	2.38		mg/Kg	☼	68	65 - 124
2,6-Dinitrotoluene	0.70	U	3.50	2.40		mg/Kg	☼	68	67 - 121
2-Chloronaphthalene	3.5	U	3.50	2.42	J	mg/Kg	☼	69	65 - 109
2-Chlorophenol	3.5	U	3.50	2.41	J	mg/Kg	☼	69	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234999-A-4-B MS
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	3.5	U	3.50	2.55	J	mg/Kg	☼	73	64 - 108
2-Methylphenol	3.5	U	3.50	2.30	J	mg/Kg	☼	66	63 - 108
2-Nitroaniline	3.5	U	3.50	2.06	J	mg/Kg	☼	59	59 - 119
2-Nitrophenol	3.5	U	3.50	2.29	J	mg/Kg	☼	65	64 - 112
3,3'-Dichlorobenzidine	1.4	U	3.50	1.05	J	mg/Kg	☼	30	17 - 101
3-Nitroaniline	3.5	U	3.50	1.63	J	mg/Kg	☼	47	31 - 102
4,6-Dinitro-2-methylphenol	2.8	U	7.01	2.8	U *	mg/Kg	☼	0	44 - 136
4-Bromophenyl phenyl ether	3.5	U	3.50	2.61	J	mg/Kg	☼	75	67 - 113
4-Chloro-3-methylphenol	3.5	U	3.50	2.38	J	mg/Kg	☼	68	66 - 114
4-Chloroaniline	3.5	U	3.50	1.20	J	mg/Kg	☼	34	20 - 98
4-Chlorophenyl phenyl ether	3.5	U	3.50	2.46	J	mg/Kg	☼	70	66 - 110
4-Methylphenol	3.5	U	3.50	2.13	J	mg/Kg	☼	61	61 - 108
4-Nitroaniline	3.5	U	3.50	2.01	J	mg/Kg	☼	57	50 - 110
4-Nitrophenol	7.0	U	7.01	3.63	J	mg/Kg	☼	52	47 - 123
Acenaphthene	3.5	U	3.50	2.21	J	mg/Kg	☼	63	53 - 110
Acenaphthylene	3.5	U	3.50	2.28	J	mg/Kg	☼	65	64 - 108
Acetophenone	3.5	U	3.50	2.25	J	mg/Kg	☼	64	61 - 103
Anthracene	3.5	U	3.50	2.42	J	mg/Kg	☼	69	67 - 114
Atrazine	1.4	U	1.40	1.06	J	mg/Kg	☼	76	44 - 145
Benzaldehyde	3.5	U	1.40	0.912	J	mg/Kg	☼	65	43 - 150
Benzo[a]anthracene	0.68		3.50	3.17		mg/Kg	☼	71	67 - 115
Benzo[a]pyrene	0.57		3.50	3.44		mg/Kg	☼	82	73 - 123
Benzo[b]fluoranthene	0.41		3.50	3.15		mg/Kg	☼	78	70 - 125
Benzo[g,h,i]perylene	0.42	J	3.50	3.07	J	mg/Kg	☼	76	61 - 113
Benzo[k]fluoranthene	0.080	J	3.50	2.68		mg/Kg	☼	74	67 - 115
Bis(2-chloroethoxy)methane	3.5	U	3.50	2.22	J	mg/Kg	☼	63	62 - 107
Bis(2-chloroethyl)ether	0.35	U	3.50	2.25		mg/Kg	☼	64	60 - 107
Bis(2-ethylhexyl) phthalate	3.5	U	3.50	2.36	J	mg/Kg	☼	67	59 - 111
Butyl benzyl phthalate	3.5	U	3.50	2.45	J	mg/Kg	☼	70	62 - 113
Caprolactam	3.5	U	1.40	0.792	J *	mg/Kg	☼	57	59 - 140
Carbazole	3.5	U	3.50	2.28	J	mg/Kg	☼	65	64 - 113
Chrysene	1.4	J	3.50	4.42		mg/Kg	☼	85	71 - 122
Dibenz(a,h)anthracene	0.35	U	3.50	3.05		mg/Kg	☼	87	66 - 119
Dibenzofuran	3.5	U	3.50	2.43	J	mg/Kg	☼	69	65 - 108
Diethyl phthalate	3.5	U	3.50	2.42	J	mg/Kg	☼	69	63 - 109
Dimethyl phthalate	3.5	U	3.50	2.50	J	mg/Kg	☼	71	65 - 109
Di-n-butyl phthalate	3.5	U	3.50	2.42	J	mg/Kg	☼	69	66 - 114
Di-n-octyl phthalate	3.5	U	3.50	2.49	J	mg/Kg	☼	71	65 - 122
Fluoranthene	0.38	J	3.50	2.78	J	mg/Kg	☼	69	61 - 106
Fluorene	3.5	U	3.50	2.41	J	mg/Kg	☼	69	65 - 109
Hexachlorobenzene	0.35	U	3.50	2.73		mg/Kg	☼	78	61 - 113
Hexachlorobutadiene	0.70	U	3.50	2.82		mg/Kg	☼	80	62 - 109
Hexachlorocyclopentadiene	3.5	U	3.50	1.37	J *	mg/Kg	☼	39	42 - 118
Hexachloroethane	0.35	U	3.50	2.40		mg/Kg	☼	69	61 - 102
Indeno[1,2,3-cd]pyrene	0.21	J	3.50	3.04		mg/Kg	☼	81	62 - 121
Isophorone	1.4	U	3.50	2.29		mg/Kg	☼	65	63 - 107
Naphthalene	3.5	U	3.50	2.42	J	mg/Kg	☼	69	63 - 106
Nitrobenzene	0.35	U	3.50	2.32		mg/Kg	☼	66	63 - 110
N-Nitrosodi-n-propylamine	0.35	U	3.50	2.31		mg/Kg	☼	66	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234999-A-4-B MS
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	3.5	U	3.50	2.95	J	mg/Kg	☼	84	67 - 113
Pentachlorophenol	2.8	U	7.01	3.96		mg/Kg	☼	57	44 - 126
Phenanthrene	1.1	J	3.50	3.83		mg/Kg	☼	78	66 - 112
Phenol	3.5	U	3.50	2.12	J *	mg/Kg	☼	61	63 - 110
Pyrene	1.1	J	3.50	4.03		mg/Kg	☼	83	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 123*
2-Fluorobiphenyl	*65*		*14 - 103*
2-Fluorophenol (Surr)	*56*		*10 - 105*
Nitrobenzene-d5 (Surr)	*62*		*11 - 104*
Phenol-d5 (Surr)	*61*		*15 - 100*
Terphenyl-d14 (Surr)	*76*		*12 - 126*

Lab Sample ID: 460-234999-A-4-C MSD
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.5	U	3.50	2.42	J	mg/Kg	☼	69	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene	3.5	U	3.50	2.62	J	mg/Kg	☼	75	64 - 110	2	30
1,4-Dioxane	0.35	U	3.50	1.76		mg/Kg	☼	50	31 - 81	4	30
2,2'-oxybis[1-chloropropane]	3.5	U	3.50	1.95	J	mg/Kg	☼	56	49 - 109	6	30
2,3,4,6-Tetrachlorophenol	3.5	U	3.50	2.38	J	mg/Kg	☼	68	58 - 113	3	30
2,4,5-Trichlorophenol	3.5	U	3.50	2.50	J	mg/Kg	☼	71	64 - 112	8	30
2,4,6-Trichlorophenol	1.4	U	3.50	2.38		mg/Kg	☼	68	63 - 113	0	30
2,4-Dichlorophenol	1.4	U	3.50	2.53		mg/Kg	☼	72	66 - 113	2	30
2,4-Dimethylphenol	3.5	U	3.50	2.37	J	mg/Kg	☼	68	63 - 107	3	30
2,4-Dinitrophenol	2.8	U	7.01	1.85	J	mg/Kg	☼	26	25 - 150	17	30
2,4-Dinitrotoluene	0.70	U	3.50	2.35		mg/Kg	☼	67	65 - 124	1	30
2,6-Dinitrotoluene	0.70	U	3.50	2.46		mg/Kg	☼	70	67 - 121	3	30
2-Chloronaphthalene	3.5	U	3.50	2.42	J	mg/Kg	☼	69	65 - 109	0	30
2-Chlorophenol	3.5	U	3.50	2.49	J	mg/Kg	☼	71	63 - 106	3	30
2-Methylnaphthalene	3.5	U	3.50	2.68	J	mg/Kg	☼	76	64 - 108	5	30
2-Methylphenol	3.5	U	3.50	2.62	J	mg/Kg	☼	75	63 - 108	13	30
2-Nitroaniline	3.5	U	3.50	2.11	J	mg/Kg	☼	60	59 - 119	2	30
2-Nitrophenol	3.5	U	3.50	2.27	J	mg/Kg	☼	65	64 - 112	1	30
3,3'-Dichlorobenzidine	1.4	U	3.50	1.19	J	mg/Kg	☼	34	17 - 101	12	30
3-Nitroaniline	3.5	U	3.50	1.71	J	mg/Kg	☼	49	31 - 102	5	30
4,6-Dinitro-2-methylphenol	2.8	U	7.01	2.8	U *	mg/Kg	☼	0	44 - 136	NC	30
4-Bromophenyl phenyl ether	3.5	U	3.50	2.80	J	mg/Kg	☼	80	67 - 113	7	30
4-Chloro-3-methylphenol	3.5	U	3.50	2.41	J	mg/Kg	☼	69	66 - 114	1	30
4-Chloroaniline	3.5	U	3.50	1.26	J	mg/Kg	☼	36	20 - 98	5	30
4-Chlorophenyl phenyl ether	3.5	U	3.50	2.63	J	mg/Kg	☼	75	66 - 110	6	30
4-Methylphenol	3.5	U	3.50	2.32	J	mg/Kg	☼	66	61 - 108	9	30
4-Nitroaniline	3.5	U	3.50	1.99	J	mg/Kg	☼	57	50 - 110	1	30
4-Nitrophenol	7.0	U	7.01	3.94	J	mg/Kg	☼	56	47 - 123	8	30
Acenaphthene	3.5	U	3.50	2.29	J	mg/Kg	☼	65	53 - 110	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-234999-A-4-C MSD
Matrix: Solid
Analysis Batch: 780920

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	3.5	U	3.50	2.38	J	mg/Kg	☼	68	64 - 108	4	30
Acetophenone	3.5	U	3.50	2.45	J	mg/Kg	☼	70	61 - 103	9	30
Anthracene	3.5	U	3.50	2.49	J	mg/Kg	☼	71	67 - 114	3	30
Atrazine	1.4	U	1.40	1.13	J	mg/Kg	☼	81	44 - 145	6	30
Benzaldehyde	3.5	U	1.40	0.932	J	mg/Kg	☼	67	43 - 150	2	30
Benzo[a]anthracene	0.68		3.50	3.58		mg/Kg	☼	83	67 - 115	12	30
Benzo[a]pyrene	0.57		3.50	3.63		mg/Kg	☼	87	73 - 123	5	30
Benzo[b]fluoranthene	0.41		3.50	3.49		mg/Kg	☼	88	70 - 125	10	30
Benzo[g,h,i]perylene	0.42	J	3.50	3.05	J	mg/Kg	☼	75	61 - 113	1	30
Benzo[k]fluoranthene	0.080	J	3.50	2.66		mg/Kg	☼	74	67 - 115	1	30
Bis(2-chloroethoxy)methane	3.5	U	3.50	2.37	J	mg/Kg	☼	68	62 - 107	7	30
Bis(2-chloroethyl)ether	0.35	U	3.50	2.40		mg/Kg	☼	68	60 - 107	6	30
Bis(2-ethylhexyl) phthalate	3.5	U	3.50	2.41	J	mg/Kg	☼	69	59 - 111	2	30
Butyl benzyl phthalate	3.5	U	3.50	2.48	J	mg/Kg	☼	71	62 - 113	1	30
Caprolactam	3.5	U	1.40	0.893	J	mg/Kg	☼	64	59 - 140	12	30
Carbazole	3.5	U	3.50	2.41	J	mg/Kg	☼	69	64 - 113	5	30
Chrysene	1.4	J	3.50	4.59		mg/Kg	☼	90	71 - 122	4	30
Dibenz(a,h)anthracene	0.35	U	3.50	3.13		mg/Kg	☼	89	66 - 119	2	30
Dibenzofuran	3.5	U	3.50	2.54	J	mg/Kg	☼	73	65 - 108	5	30
Diethyl phthalate	3.5	U	3.50	2.42	J	mg/Kg	☼	69	63 - 109	0	30
Dimethyl phthalate	3.5	U	3.50	2.47	J	mg/Kg	☼	71	65 - 109	1	30
Di-n-butyl phthalate	3.5	U	3.50	2.46	J	mg/Kg	☼	70	66 - 114	2	30
Di-n-octyl phthalate	3.5	U	3.50	2.67	J	mg/Kg	☼	76	65 - 122	7	30
Fluoranthene	0.38	J	3.50	2.98	J	mg/Kg	☼	74	61 - 106	7	30
Fluorene	3.5	U	3.50	2.59	J	mg/Kg	☼	74	65 - 109	7	30
Hexachlorobenzene	0.35	U	3.50	2.86		mg/Kg	☼	82	61 - 113	5	30
Hexachlorobutadiene	0.70	U	3.50	3.01		mg/Kg	☼	86	62 - 109	7	30
Hexachlorocyclopentadiene	3.5	U	3.50	1.08	J *	mg/Kg	☼	31	42 - 118	24	30
Hexachloroethane	0.35	U	3.50	2.37		mg/Kg	☼	68	61 - 102	2	30
Indeno[1,2,3-cd]pyrene	0.21	J	3.50	3.23		mg/Kg	☼	86	62 - 121	6	30
Isophorone	1.4	U	3.50	2.39		mg/Kg	☼	68	63 - 107	4	30
Naphthalene	3.5	U	3.50	2.51	J	mg/Kg	☼	72	63 - 106	4	30
Nitrobenzene	0.35	U	3.50	2.51		mg/Kg	☼	72	63 - 110	8	30
N-Nitrosodi-n-propylamine	0.35	U	3.50	2.38		mg/Kg	☼	68	61 - 108	3	30
N-Nitrosodiphenylamine	3.5	U	3.50	3.15	J	mg/Kg	☼	90	67 - 113	7	30
Pentachlorophenol	2.8	U	7.01	3.74		mg/Kg	☼	53	44 - 126	6	30
Phenanthrene	1.1	J	3.50	4.20		mg/Kg	☼	88	66 - 112	9	30
Phenol	3.5	U	3.50	2.23	J	mg/Kg	☼	64	63 - 110	5	30
Pyrene	1.1	J	3.50	4.20		mg/Kg	☼	89	61 - 111	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 123*
2-Fluorobiphenyl	*68*		*14 - 103*
2-Fluorophenol (Surr)	*61*		*10 - 105*
Nitrobenzene-d5 (Surr)	*65*		*11 - 104*
Phenol-d5 (Surr)	*62*		*15 - 100*
Terphenyl-d14 (Surr)	*78*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-781083/1-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/28/21 18:20	05/28/21 23:53	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-781083/1-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/28/21 18:20	05/28/21 23:53	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/28/21 18:20	05/28/21 23:53	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/28/21 18:20*	*05/28/21 23:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*	*05/28/21 18:20*	*05/28/21 23:53*	*1*
2-Fluorobiphenyl	*82*		*14 - 103*	*05/28/21 18:20*	*05/28/21 23:53*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 105*	*05/28/21 18:20*	*05/28/21 23:53*	*1*
Nitrobenzene-d5 (Surr)	*78*		*11 - 104*	*05/28/21 18:20*	*05/28/21 23:53*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*05/28/21 18:20*	*05/28/21 23:53*	*1*
Terphenyl-d14 (Surr)	*97*		*12 - 126*	*05/28/21 18:20*	*05/28/21 23:53*	*1*

Lab Sample ID: LCS 460-781083/2-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.80		mg/Kg		84	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.80		mg/Kg		84	64 - 110
1,4-Dioxane	3.33	1.82		mg/Kg		55	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.53		mg/Kg		76	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	3.00		mg/Kg		90	58 - 113
2,4,5-Trichlorophenol	3.33	2.94		mg/Kg		88	64 - 112
2,4,6-Trichlorophenol	3.33	3.02		mg/Kg		90	63 - 113
2,4-Dichlorophenol	3.33	3.00		mg/Kg		90	66 - 113
2,4-Dimethylphenol	3.33	2.88		mg/Kg		87	63 - 107
2,4-Dinitrophenol	6.67	5.16		mg/Kg		77	25 - 150
2,4-Dinitrotoluene	3.33	3.04		mg/Kg		91	65 - 124

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781083/2-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	3.33	2.98		mg/Kg		90	67 - 121
2-Chloronaphthalene	3.33	2.83		mg/Kg		85	65 - 109
2-Chlorophenol	3.33	2.88		mg/Kg		86	63 - 106
2-Methylnaphthalene	3.33	2.82		mg/Kg		85	64 - 108
2-Methylphenol	3.33	2.94		mg/Kg		88	63 - 108
2-Nitroaniline	3.33	2.68		mg/Kg		80	59 - 119
2-Nitrophenol	3.33	2.64		mg/Kg		79	64 - 112
3,3'-Dichlorobenzidine	3.33	2.34		mg/Kg		70	17 - 101
3-Nitroaniline	3.33	2.35		mg/Kg		70	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.41		mg/Kg		81	44 - 136
4-Bromophenyl phenyl ether	3.33	3.02		mg/Kg		91	67 - 113
4-Chloro-3-methylphenol	3.33	2.99		mg/Kg		90	66 - 114
4-Chloroaniline	3.33	2.19		mg/Kg		66	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.93		mg/Kg		88	66 - 110
4-Methylphenol	3.33	2.89		mg/Kg		87	61 - 108
4-Nitroaniline	3.33	2.80		mg/Kg		84	50 - 110
4-Nitrophenol	6.67	6.17		mg/Kg		93	47 - 123
Acenaphthene	3.33	2.84		mg/Kg		85	53 - 110
Acenaphthylene	3.33	2.83		mg/Kg		85	64 - 108
Acetophenone	3.33	2.74		mg/Kg		82	61 - 103
Anthracene	3.33	2.90		mg/Kg		87	67 - 114
Atrazine	1.33	1.44		mg/Kg		108	44 - 145
Benzaldehyde	1.33	1.23		mg/Kg		92	43 - 150
Benzo[a]anthracene	3.33	2.82		mg/Kg		85	67 - 115
Benzo[a]pyrene	3.33	3.57		mg/Kg		107	73 - 123
Benzo[b]fluoranthene	3.33	3.39		mg/Kg		102	70 - 125
Benzo[g,h,i]perylene	3.33	3.18		mg/Kg		96	61 - 113
Benzo[k]fluoranthene	3.33	3.19		mg/Kg		96	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.77		mg/Kg		83	62 - 107
Bis(2-chloroethyl)ether	3.33	2.85		mg/Kg		86	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.84		mg/Kg		85	59 - 111
Butyl benzyl phthalate	3.33	2.87		mg/Kg		86	62 - 113
Caprolactam	1.33	1.28		mg/Kg		96	59 - 140
Carbazole	3.33	2.94		mg/Kg		88	64 - 113
Chrysene	3.33	2.89		mg/Kg		87	71 - 122
Dibenz(a,h)anthracene	3.33	3.48		mg/Kg		104	66 - 119
Dibenzofuran	3.33	2.88		mg/Kg		86	65 - 108
Diethyl phthalate	3.33	2.90		mg/Kg		87	63 - 109
Dimethyl phthalate	3.33	2.86		mg/Kg		86	65 - 109
Di-n-butyl phthalate	3.33	2.94		mg/Kg		88	66 - 114
Di-n-octyl phthalate	3.33	3.10		mg/Kg		93	65 - 122
Fluoranthene	3.33	3.00		mg/Kg		90	61 - 106
Fluorene	3.33	2.84		mg/Kg		85	65 - 109
Hexachlorobenzene	3.33	3.06		mg/Kg		92	61 - 113
Hexachlorobutadiene	3.33	2.83		mg/Kg		85	62 - 109
Hexachlorocyclopentadiene	3.33	2.56		mg/Kg		77	42 - 118
Hexachloroethane	3.33	2.62		mg/Kg		79	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.50		mg/Kg		105	62 - 121
Isophorone	3.33	2.83		mg/Kg		85	63 - 107

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781083/2-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	3.33	2.71		mg/Kg		81	63 - 106
Nitrobenzene	3.33	2.90		mg/Kg		87	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.84		mg/Kg		85	61 - 108
N-Nitrosodiphenylamine	3.33	2.85		mg/Kg		86	67 - 113
Pentachlorophenol	6.67	6.57		mg/Kg		98	44 - 126
Phenanthrene	3.33	2.92		mg/Kg		88	66 - 112
Phenol	3.33	2.81		mg/Kg		84	63 - 110
Pyrene	3.33	2.83		mg/Kg		85	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*85*		*10 - 105*
Nitrobenzene-d5 (Surr)	*79*		*11 - 104*
Phenol-d5 (Surr)	*86*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: LCSD 460-781083/3-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.85		mg/Kg		86	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene	3.33	2.85		mg/Kg		86	64 - 110	2	30
1,4-Dioxane	3.33	1.86		mg/Kg		56	31 - 81	2	30
2,2'-oxybis[1-chloropropane]	3.33	2.55		mg/Kg		77	49 - 109	1	30
2,3,4,6-Tetrachlorophenol	3.33	3.04		mg/Kg		91	58 - 113	1	30
2,4,5-Trichlorophenol	3.33	2.96		mg/Kg		89	64 - 112	1	30
2,4,6-Trichlorophenol	3.33	3.01		mg/Kg		90	63 - 113	0	30
2,4-Dichlorophenol	3.33	3.01		mg/Kg		90	66 - 113	0	30
2,4-Dimethylphenol	3.33	3.00		mg/Kg		90	63 - 107	4	30
2,4-Dinitrophenol	6.67	5.25		mg/Kg		79	25 - 150	2	30
2,4-Dinitrotoluene	3.33	3.09		mg/Kg		93	65 - 124	1	30
2,6-Dinitrotoluene	3.33	3.00		mg/Kg		90	67 - 121	1	30
2-Chloronaphthalene	3.33	2.82		mg/Kg		84	65 - 109	0	30
2-Chlorophenol	3.33	2.90		mg/Kg		87	63 - 106	1	30
2-Methylnaphthalene	3.33	2.84		mg/Kg		85	64 - 108	1	30
2-Methylphenol	3.33	2.92		mg/Kg		88	63 - 108	1	30
2-Nitroaniline	3.33	2.66		mg/Kg		80	59 - 119	1	30
2-Nitrophenol	3.33	2.72		mg/Kg		82	64 - 112	3	30
3,3'-Dichlorobenzidine	3.33	2.55		mg/Kg		77	17 - 101	9	30
3-Nitroaniline	3.33	2.51		mg/Kg		75	31 - 102	7	30
4,6-Dinitro-2-methylphenol	6.67	5.56		mg/Kg		83	44 - 136	3	30
4-Bromophenyl phenyl ether	3.33	3.09		mg/Kg		93	67 - 113	2	30
4-Chloro-3-methylphenol	3.33	3.01		mg/Kg		90	66 - 114	1	30
4-Chloroaniline	3.33	2.34		mg/Kg		70	20 - 98	7	30
4-Chlorophenyl phenyl ether	3.33	2.91		mg/Kg		87	66 - 110	0	30
4-Methylphenol	3.33	2.94		mg/Kg		88	61 - 108	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781083/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 781108
Prep Batch: 781083

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.83		mg/Kg		85	50 - 110	1	30
4-Nitrophenol			6.67	6.21		mg/Kg		93	47 - 123	1	30
Acenaphthene			3.33	2.83		mg/Kg		85	53 - 110	1	30
Acenaphthylene			3.33	2.87		mg/Kg		86	64 - 108	1	30
Acetophenone			3.33	2.80		mg/Kg		84	61 - 103	2	30
Anthracene			3.33	2.94		mg/Kg		88	67 - 114	1	30
Atrazine			1.33	1.50		mg/Kg		112	44 - 145	4	30
Benzaldehyde			1.33	1.27		mg/Kg		95	43 - 150	3	30
Benzo[a]anthracene			3.33	2.90		mg/Kg		87	67 - 115	3	30
Benzo[a]pyrene			3.33	3.52		mg/Kg		106	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.34		mg/Kg		100	70 - 125	2	30
Benzo[g,h,i]perylene			3.33	3.15		mg/Kg		95	61 - 113	1	30
Benzo[k]fluoranthene			3.33	3.26		mg/Kg		98	67 - 115	2	30
Bis(2-chloroethoxy)methane			3.33	2.81		mg/Kg		84	62 - 107	2	30
Bis(2-chloroethyl)ether			3.33	2.85		mg/Kg		85	60 - 107	0	30
Bis(2-ethylhexyl) phthalate			3.33	2.88		mg/Kg		86	59 - 111	1	30
Butyl benzyl phthalate			3.33	2.91		mg/Kg		87	62 - 113	2	30
Caprolactam			1.33	1.16		mg/Kg		87	59 - 140	9	30
Carbazole			3.33	2.93		mg/Kg		88	64 - 113	0	30
Chrysene			3.33	2.95		mg/Kg		88	71 - 122	2	30
Dibenz(a,h)anthracene			3.33	3.50		mg/Kg		105	66 - 119	1	30
Dibenzofuran			3.33	2.87		mg/Kg		86	65 - 108	0	30
Diethyl phthalate			3.33	2.90		mg/Kg		87	63 - 109	0	30
Dimethyl phthalate			3.33	2.88		mg/Kg		86	65 - 109	1	30
Di-n-butyl phthalate			3.33	2.97		mg/Kg		89	66 - 114	1	30
Di-n-octyl phthalate			3.33	3.10		mg/Kg		93	65 - 122	0	30
Fluoranthene			3.33	3.04		mg/Kg		91	61 - 106	1	30
Fluorene			3.33	2.88		mg/Kg		87	65 - 109	1	30
Hexachlorobenzene			3.33	3.05		mg/Kg		92	61 - 113	0	30
Hexachlorobutadiene			3.33	2.88		mg/Kg		86	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.66		mg/Kg		80	42 - 118	4	30
Hexachloroethane			3.33	2.59		mg/Kg		78	61 - 102	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.50		mg/Kg		105	62 - 121	0	30
Isophorone			3.33	2.84		mg/Kg		85	63 - 107	1	30
Naphthalene			3.33	2.75		mg/Kg		82	63 - 106	1	30
Nitrobenzene			3.33	2.93		mg/Kg		88	63 - 110	1	30
N-Nitrosodi-n-propylamine			3.33	2.86		mg/Kg		86	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	2.92		mg/Kg		88	67 - 113	2	30
Pentachlorophenol			6.67	6.67		mg/Kg		100	44 - 126	2	30
Phenanthrene			3.33	2.94		mg/Kg		88	66 - 112	1	30
Phenol			3.33	2.87		mg/Kg		86	63 - 110	2	30
Pyrene			3.33	2.86		mg/Kg		86	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*87*		*10 - 105*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781083/3-A
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781083

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*87*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Lab Sample ID: 460-235378-E-1-H MS
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.36	U	3.63	2.91		mg/Kg	☼	80	65 - 110
1,2,4,5-Tetrachlorobenzene	0.36	U	3.63	2.92		mg/Kg	☼	80	64 - 110
1,4-Dioxane	0.036	U	3.63	2.20		mg/Kg	☼	61	31 - 81
2,2'-oxybis[1-chloropropane]	0.36	U	3.63	2.61		mg/Kg	☼	72	49 - 109
2,3,4,6-Tetrachlorophenol	0.36	U	3.63	2.99		mg/Kg	☼	82	58 - 113
2,4,5-Trichlorophenol	0.36	U	3.63	2.96		mg/Kg	☼	81	64 - 112
2,4,6-Trichlorophenol	0.14	U	3.63	3.07		mg/Kg	☼	85	63 - 113
2,4-Dichlorophenol	0.14	U	3.63	3.06		mg/Kg	☼	84	66 - 113
2,4-Dimethylphenol	0.36	U	3.63	3.02		mg/Kg	☼	83	63 - 107
2,4-Dinitrophenol	0.29	U	7.27	4.31		mg/Kg	☼	59	25 - 150
2,4-Dinitrotoluene	0.073	U	3.63	3.09		mg/Kg	☼	85	65 - 124
2,6-Dinitrotoluene	0.073	U	3.63	3.03		mg/Kg	☼	83	67 - 121
2-Chloronaphthalene	0.36	U	3.63	2.87		mg/Kg	☼	79	65 - 109
2-Chlorophenol	0.36	U	3.63	2.93		mg/Kg	☼	81	63 - 106
2-Methylnaphthalene	0.018	J	3.63	2.99		mg/Kg	☼	82	64 - 108
2-Methylphenol	0.36	U	3.63	3.05		mg/Kg	☼	84	63 - 108
2-Nitroaniline	0.36	U	3.63	2.74		mg/Kg	☼	75	59 - 119
2-Nitrophenol	0.36	U	3.63	2.71		mg/Kg	☼	75	64 - 112
3,3'-Dichlorobenzidine	0.14	U	3.63	2.75		mg/Kg	☼	76	17 - 101
3-Nitroaniline	0.36	U	3.63	2.68		mg/Kg	☼	74	31 - 102
4,6-Dinitro-2-methylphenol	0.29	U	7.27	5.14		mg/Kg	☼	71	44 - 136
4-Bromophenyl phenyl ether	0.36	U	3.63	3.05		mg/Kg	☼	84	67 - 113
4-Chloro-3-methylphenol	0.36	U	3.63	3.07		mg/Kg	☼	84	66 - 114
4-Chloroaniline	0.36	U	3.63	2.63		mg/Kg	☼	72	20 - 98
4-Chlorophenyl phenyl ether	0.36	U	3.63	2.94		mg/Kg	☼	81	66 - 110
4-Methylphenol	0.36	U	3.63	3.03		mg/Kg	☼	83	61 - 108
4-Nitroaniline	0.36	U	3.63	2.87		mg/Kg	☼	79	50 - 110
4-Nitrophenol	0.73	U	7.27	6.04		mg/Kg	☼	83	47 - 123
Acenaphthene	0.013	J	3.63	2.87		mg/Kg	☼	78	53 - 110
Acenaphthylene	0.015	J	3.63	2.93		mg/Kg	☼	80	64 - 108
Acetophenone	0.36	U	3.63	2.90		mg/Kg	☼	80	61 - 103
Anthracene	0.028	J	3.63	2.92		mg/Kg	☼	80	67 - 114
Atrazine	0.14	U	1.45	1.26		mg/Kg	☼	87	44 - 145
Benzaldehyde	0.36	U	1.45	1.22		mg/Kg	☼	84	43 - 150
Benzo[a]anthracene	0.079		3.63	2.88		mg/Kg	☼	77	67 - 115
Benzo[a]pyrene	0.061		3.63	3.59		mg/Kg	☼	97	73 - 123
Benzo[b]fluoranthene	0.063		3.63	3.43		mg/Kg	☼	93	70 - 125
Benzo[g,h,i]perylene	0.030	J	3.63	3.21		mg/Kg	☼	88	61 - 113
Benzo[k]fluoranthene	0.028	J	3.63	3.14		mg/Kg	☼	86	67 - 115
Bis(2-chloroethoxy)methane	0.36	U	3.63	2.93		mg/Kg	☼	81	62 - 107

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235378-E-1-H MS
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	0.036	U	3.63	2.95		mg/Kg	☼	81	60 - 107
Bis(2-ethylhexyl) phthalate	0.36	U	3.63	2.83		mg/Kg	☼	78	59 - 111
Butyl benzyl phthalate	0.36	U	3.63	2.86		mg/Kg	☼	79	62 - 113
Caprolactam	0.36	U	1.45	1.14		mg/Kg	☼	79	59 - 140
Carbazole	0.36	U	3.63	2.91		mg/Kg	☼	80	64 - 113
Chrysene	0.074	J	3.63	2.92		mg/Kg	☼	78	71 - 122
Dibenz(a,h)anthracene	0.036	U	3.63	3.46		mg/Kg	☼	95	66 - 119
Dibenzofuran	0.36	U	3.63	2.92		mg/Kg	☼	80	65 - 108
Diethyl phthalate	0.36	U	3.63	2.92		mg/Kg	☼	80	63 - 109
Dimethyl phthalate	0.36	U	3.63	2.91		mg/Kg	☼	80	65 - 109
Di-n-butyl phthalate	0.36	U	3.63	2.94		mg/Kg	☼	81	66 - 114
Di-n-octyl phthalate	0.36	U	3.63	3.01		mg/Kg	☼	83	65 - 122
Fluoranthene	0.13	J	3.63	3.15		mg/Kg	☼	83	61 - 106
Fluorene	0.022	J	3.63	2.92		mg/Kg	☼	80	65 - 109
Hexachlorobenzene	0.036	U	3.63	3.10		mg/Kg	☼	85	61 - 113
Hexachlorobutadiene	0.073	U	3.63	2.95		mg/Kg	☼	81	62 - 109
Hexachlorocyclopentadiene	0.36	U	3.63	2.56		mg/Kg	☼	70	42 - 118
Hexachloroethane	0.036	U	3.63	2.73		mg/Kg	☼	75	61 - 102
Indeno[1,2,3-cd]pyrene	0.038		3.63	3.47		mg/Kg	☼	94	62 - 121
Isophorone	0.14	U	3.63	2.99		mg/Kg	☼	82	63 - 107
Naphthalene	0.027	J	3.63	2.85		mg/Kg	☼	78	63 - 106
Nitrobenzene	0.036	U	3.63	2.96		mg/Kg	☼	81	63 - 110
N-Nitrosodi-n-propylamine	0.036	U	3.63	2.99		mg/Kg	☼	82	61 - 108
N-Nitrosodiphenylamine	0.36	U	3.63	2.91		mg/Kg	☼	80	67 - 113
Pentachlorophenol	0.29	U	7.27	6.32		mg/Kg	☼	87	44 - 126
Phenanthrene	0.20	J	3.63	3.09		mg/Kg	☼	80	66 - 112
Phenol	0.36	U	3.63	2.92		mg/Kg	☼	80	63 - 110
Pyrene	0.18	J	3.63	3.01		mg/Kg	☼	78	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 123*
2-Fluorobiphenyl	*72*		*14 - 103*
2-Fluorophenol (Surr)	*73*		*10 - 105*
Nitrobenzene-d5 (Surr)	*70*		*11 - 104*
Phenol-d5 (Surr)	*73*		*15 - 100*
Terphenyl-d14 (Surr)	*81*		*12 - 126*

Lab Sample ID: 460-235378-E-1-I MSD
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.63	2.85		mg/Kg	☼	78	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.63	2.85		mg/Kg	☼	78	64 - 110	2	30
1,4-Dioxane	0.036	U	3.63	2.19		mg/Kg	☼	60	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.63	2.63		mg/Kg	☼	72	49 - 109	1	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.63	2.92		mg/Kg	☼	80	58 - 113	2	30
2,4,5-Trichlorophenol	0.36	U	3.63	2.96		mg/Kg	☼	81	64 - 112	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235378-E-1-I MSD
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	0.14	U	3.63	3.03		mg/Kg	☼	83	63 - 113	1	30
2,4-Dichlorophenol	0.14	U	3.63	3.06		mg/Kg	☼	84	66 - 113	0	30
2,4-Dimethylphenol	0.36	U	3.63	2.96		mg/Kg	☼	81	63 - 107	2	30
2,4-Dinitrophenol	0.29	U	7.27	4.33		mg/Kg	☼	60	25 - 150	1	30
2,4-Dinitrotoluene	0.073	U	3.63	3.12		mg/Kg	☼	86	65 - 124	1	30
2,6-Dinitrotoluene	0.073	U	3.63	2.97		mg/Kg	☼	82	67 - 121	2	30
2-Chloronaphthalene	0.36	U	3.63	2.88		mg/Kg	☼	79	65 - 109	0	30
2-Chlorophenol	0.36	U	3.63	2.89		mg/Kg	☼	80	63 - 106	1	30
2-Methylnaphthalene	0.018	J	3.63	3.00		mg/Kg	☼	82	64 - 108	0	30
2-Methylphenol	0.36	U	3.63	3.02		mg/Kg	☼	83	63 - 108	1	30
2-Nitroaniline	0.36	U	3.63	2.70		mg/Kg	☼	74	59 - 119	2	30
2-Nitrophenol	0.36	U	3.63	2.69		mg/Kg	☼	74	64 - 112	1	30
3,3'-Dichlorobenzidine	0.14	U	3.63	2.75		mg/Kg	☼	76	17 - 101	0	30
3-Nitroaniline	0.36	U	3.63	2.66		mg/Kg	☼	73	31 - 102	1	30
4,6-Dinitro-2-methylphenol	0.29	U	7.27	4.98		mg/Kg	☼	69	44 - 136	3	30
4-Bromophenyl phenyl ether	0.36	U	3.63	3.02		mg/Kg	☼	83	67 - 113	1	30
4-Chloro-3-methylphenol	0.36	U	3.63	3.07		mg/Kg	☼	85	66 - 114	0	30
4-Chloroaniline	0.36	U	3.63	2.61		mg/Kg	☼	72	20 - 98	1	30
4-Chlorophenyl phenyl ether	0.36	U	3.63	2.93		mg/Kg	☼	81	66 - 110	0	30
4-Methylphenol	0.36	U	3.63	2.97		mg/Kg	☼	82	61 - 108	2	30
4-Nitroaniline	0.36	U	3.63	2.85		mg/Kg	☼	78	50 - 110	1	30
4-Nitrophenol	0.73	U	7.27	6.02		mg/Kg	☼	83	47 - 123	0	30
Acenaphthene	0.013	J	3.63	2.88		mg/Kg	☼	79	53 - 110	1	30
Acenaphthylene	0.015	J	3.63	2.87		mg/Kg	☼	79	64 - 108	2	30
Acetophenone	0.36	U	3.63	2.88		mg/Kg	☼	79	61 - 103	1	30
Anthracene	0.028	J	3.63	2.94		mg/Kg	☼	80	67 - 114	1	30
Atrazine	0.14	U	1.45	1.21		mg/Kg	☼	83	44 - 145	5	30
Benzaldehyde	0.36	U	1.45	1.21		mg/Kg	☼	83	43 - 150	1	30
Benzo[a]anthracene	0.079		3.63	2.93		mg/Kg	☼	79	67 - 115	2	30
Benzo[a]pyrene	0.061		3.63	3.59		mg/Kg	☼	97	73 - 123	0	30
Benzo[b]fluoranthene	0.063		3.63	3.45		mg/Kg	☼	93	70 - 125	1	30
Benzo[g,h,i]perylene	0.030	J	3.63	3.23		mg/Kg	☼	88	61 - 113	0	30
Benzo[k]fluoranthene	0.028	J	3.63	3.16		mg/Kg	☼	86	67 - 115	1	30
Bis(2-chloroethoxy)methane	0.36	U	3.63	2.90		mg/Kg	☼	80	62 - 107	1	30
Bis(2-chloroethyl)ether	0.036	U	3.63	2.89		mg/Kg	☼	79	60 - 107	2	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.63	2.85		mg/Kg	☼	78	59 - 111	1	30
Butyl benzyl phthalate	0.36	U	3.63	2.90		mg/Kg	☼	80	62 - 113	1	30
Caprolactam	0.36	U	1.45	0.807	*	mg/Kg	☼	56	59 - 140	34	30
Carbazole	0.36	U	3.63	2.92		mg/Kg	☼	80	64 - 113	0	30
Chrysene	0.074	J	3.63	3.00		mg/Kg	☼	81	71 - 122	3	30
Dibenz(a,h)anthracene	0.036	U	3.63	3.50		mg/Kg	☼	96	66 - 119	1	30
Dibenzofuran	0.36	U	3.63	2.88		mg/Kg	☼	79	65 - 108	2	30
Diethyl phthalate	0.36	U	3.63	2.89		mg/Kg	☼	80	63 - 109	1	30
Dimethyl phthalate	0.36	U	3.63	2.89		mg/Kg	☼	79	65 - 109	1	30
Di-n-butyl phthalate	0.36	U	3.63	2.93		mg/Kg	☼	81	66 - 114	0	30
Di-n-octyl phthalate	0.36	U	3.63	3.05		mg/Kg	☼	84	65 - 122	1	30
Fluoranthene	0.13	J	3.63	3.12		mg/Kg	☼	82	61 - 106	1	30
Fluorene	0.022	J	3.63	2.87		mg/Kg	☼	78	65 - 109	1	30
Hexachlorobenzene	0.036	U	3.63	3.06		mg/Kg	☼	84	61 - 113	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235378-E-1-I MSD
Matrix: Solid
Analysis Batch: 781108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	0.073	U	3.63	3.01		mg/Kg	☼	83	62 - 109	2	30
Hexachlorocyclopentadiene	0.36	U	3.63	2.53		mg/Kg	☼	70	42 - 118	1	30
Hexachloroethane	0.036	U	3.63	2.70		mg/Kg	☼	74	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	0.038		3.63	3.36		mg/Kg	☼	91	62 - 121	3	30
Isophorone	0.14	U	3.63	2.99		mg/Kg	☼	82	63 - 107	0	30
Naphthalene	0.027	J	3.63	2.85		mg/Kg	☼	78	63 - 106	0	30
Nitrobenzene	0.036	U	3.63	3.00		mg/Kg	☼	83	63 - 110	1	30
N-Nitrosodi-n-propylamine	0.036	U	3.63	2.99		mg/Kg	☼	82	61 - 108	0	30
N-Nitrosodiphenylamine	0.36	U	3.63	2.87		mg/Kg	☼	79	67 - 113	1	30
Pentachlorophenol	0.29	U	7.27	6.16		mg/Kg	☼	85	44 - 126	2	30
Phenanthrene	0.20	J	3.63	3.07		mg/Kg	☼	79	66 - 112	1	30
Phenol	0.36	U	3.63	2.88		mg/Kg	☼	79	63 - 110	2	30
Pyrene	0.18	J	3.63	3.02		mg/Kg	☼	78	61 - 111	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 123*
2-Fluorobiphenyl	*71*		*14 - 103*
2-Fluorophenol (Surr)	*73*		*10 - 105*
Nitrobenzene-d5 (Surr)	*70*		*11 - 104*
Phenol-d5 (Surr)	*73*		*15 - 100*
Terphenyl-d14 (Surr)	*82*		*12 - 126*

Lab Sample ID: MB 460-781150/1-A
Matrix: Solid
Analysis Batch: 781240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/29/21 07:15	05/29/21 19:42	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/29/21 07:15	05/29/21 19:42	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/29/21 07:15	05/29/21 19:42	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/29/21 07:15	05/29/21 19:42	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/29/21 07:15	05/29/21 19:42	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/29/21 07:15	05/29/21 19:42	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/29/21 07:15	05/29/21 19:42	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/29/21 07:15	05/29/21 19:42	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/29/21 07:15	05/29/21 19:42	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/29/21 07:15	05/29/21 19:42	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/29/21 07:15	05/29/21 19:42	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/29/21 07:15	05/29/21 19:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*05/29/21 07:15*	*05/29/21 19:42*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*05/29/21 07:15*	*05/29/21 19:42*	*1*
2-Fluorophenol (Surr)	*57*		*18 - 72*	*05/29/21 07:15*	*05/29/21 19:42*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*	*05/29/21 07:15*	*05/29/21 19:42*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*05/29/21 07:15*	*05/29/21 19:42*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 150*	*05/29/21 07:15*	*05/29/21 19:42*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781150/2-A
Matrix: Solid
Analysis Batch: 781240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781150

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0800	0.0635		mg/L		79	40 - 102		
2,4,5-Trichlorophenol			0.0800	0.0769		mg/L		96	63 - 112		
2,4,6-Trichlorophenol			0.0800	0.0758		mg/L		95	66 - 117		
3 & 4 Methylphenol			0.0800	0.0549		mg/L		69	43 - 78		
2,4-Dinitrotoluene			0.0800	0.0836		mg/L		104	68 - 134		
Pyridine			0.160	0.0370		mg/L		23	13 - 71		
2-Methylphenol			0.0800	0.0622		mg/L		78	48 - 88		
Hexachlorobenzene			0.0800	0.0682		mg/L		85	61 - 117		
Hexachlorobutadiene			0.0800	0.0582		mg/L		73	10 - 133		
Hexachloroethane			0.0800	0.0668		mg/L		84	17 - 115		
Nitrobenzene			0.0800	0.0818		mg/L		102	71 - 116		
Pentachlorophenol			0.160	0.149		mg/L		93	54 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 150*
2-Fluorobiphenyl	*90*		*42 - 127*
2-Fluorophenol (Surr)	*55*		*18 - 72*
Nitrobenzene-d5 (Surr)	*98*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*93*		*39 - 150*

Lab Sample ID: LCSD 460-781150/3-A
Matrix: Solid
Analysis Batch: 781240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.120	0.0677		mg/L		56	40 - 102	6	30
2,4,5-Trichlorophenol			0.120	0.0856		mg/L		71	63 - 112	11	30
2,4,6-Trichlorophenol			0.120	0.0860		mg/L		72	66 - 117	13	30
3 & 4 Methylphenol			0.120	0.0604		mg/L		50	43 - 78	9	30
2,4-Dinitrotoluene			0.120	0.0926		mg/L		77	68 - 134	10	30
Pyridine			0.240	0.0941	*	mg/L		39	13 - 71	87	30
2-Methylphenol			0.120	0.0692		mg/L		58	48 - 88	11	30
Hexachlorobenzene			0.120	0.0752		mg/L		63	61 - 117	10	30
Hexachlorobutadiene			0.120	0.0635		mg/L		53	10 - 133	9	30
Hexachloroethane			0.120	0.0698		mg/L		58	17 - 115	4	30
Nitrobenzene			0.120	0.0926		mg/L		77	71 - 116	12	30
Pentachlorophenol			0.240	0.162		mg/L		67	54 - 131	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*61*		*33 - 150*
2-Fluorobiphenyl	*72*		*42 - 127*
2-Fluorophenol (Surr)	*43*		*18 - 72*
Nitrobenzene-d5 (Surr)	*78*		*46 - 137*
Phenol-d5 (Surr)	*28*		*10 - 50*
Terphenyl-d14 (Surr)	*73*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-781326/1-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		05/30/21 13:52	05/30/21 20:56	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-781326/1-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Phenol	0.33	U	0.33	0.012	mg/Kg		05/30/21 13:52	05/30/21 20:56	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		05/30/21 13:52	05/30/21 20:56	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decane	*0.0710*	*J*	*mg/Kg*		*4.05*	*124-18-5*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
Tentatively Identified Compound	*None*		*mg/Kg*				*05/30/21 13:52*	*05/30/21 20:56*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 123*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
2-Fluorobiphenyl	*80*		*14 - 103*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
Nitrobenzene-d5 (Surr)	*85*		*11 - 104*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
Phenol-d5 (Surr)	*86*		*15 - 100*	*05/30/21 13:52*	*05/30/21 20:56*	*1*
Terphenyl-d14 (Surr)	*99*		*12 - 126*	*05/30/21 13:52*	*05/30/21 20:56*	*1*

Lab Sample ID: LCS 460-781326/2-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.80		mg/Kg		84	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.73		mg/Kg		82	64 - 110
1,4-Dioxane	3.33	2.31		mg/Kg		69	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.08		mg/Kg		93	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.62		mg/Kg		78	58 - 113
2,4,5-Trichlorophenol	3.33	2.55		mg/Kg		77	64 - 112
2,4,6-Trichlorophenol	3.33	2.72		mg/Kg		82	63 - 113
2,4-Dichlorophenol	3.33	2.86		mg/Kg		86	66 - 113
2,4-Dimethylphenol	3.33	2.73		mg/Kg		82	63 - 107
2,4-Dinitrophenol	6.67	4.58		mg/Kg		69	25 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781326/2-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3.33	2.95		mg/Kg		88	65 - 124
2,6-Dinitrotoluene	3.33	2.87		mg/Kg		86	67 - 121
2-Chloronaphthalene	3.33	2.73		mg/Kg		82	65 - 109
2-Chlorophenol	3.33	2.88		mg/Kg		86	63 - 106
2-Methylnaphthalene	3.33	2.81		mg/Kg		84	64 - 108
2-Methylphenol	3.33	3.05		mg/Kg		91	63 - 108
2-Nitroaniline	3.33	2.44		mg/Kg		73	59 - 119
2-Nitrophenol	3.33	2.80		mg/Kg		84	64 - 112
3,3'-Dichlorobenzidine	3.33	1.52		mg/Kg		46	17 - 101
3-Nitroaniline	3.33	1.98		mg/Kg		59	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.54		mg/Kg		83	44 - 136
4-Bromophenyl phenyl ether	3.33	2.93		mg/Kg		88	67 - 113
4-Chloro-3-methylphenol	3.33	2.92		mg/Kg		88	66 - 114
4-Chloroaniline	3.33	1.21		mg/Kg		36	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.79		mg/Kg		84	66 - 110
4-Methylphenol	3.33	2.82		mg/Kg		85	61 - 108
4-Nitroaniline	3.33	2.21		mg/Kg		66	50 - 110
4-Nitrophenol	6.67	4.96		mg/Kg		74	47 - 123
Acenaphthene	3.33	2.28		mg/Kg		69	53 - 110
Acenaphthylene	3.33	2.74		mg/Kg		82	64 - 108
Acetophenone	3.33	2.85		mg/Kg		86	61 - 103
Anthracene	3.33	2.75		mg/Kg		83	67 - 114
Atrazine	1.33	1.80		mg/Kg		135	44 - 145
Benzaldehyde	1.33	1.69		mg/Kg		127	43 - 150
Benzo[a]anthracene	3.33	2.72		mg/Kg		82	67 - 115
Benzo[a]pyrene	3.33	3.33		mg/Kg		100	73 - 123
Benzo[b]fluoranthene	3.33	3.16		mg/Kg		95	70 - 125
Benzo[g,h,i]perylene	3.33	3.14		mg/Kg		94	61 - 113
Benzo[k]fluoranthene	3.33	3.14		mg/Kg		94	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.86		mg/Kg		86	62 - 107
Bis(2-chloroethyl)ether	3.33	2.87		mg/Kg		86	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.76		mg/Kg		83	59 - 111
Butyl benzyl phthalate	3.33	2.81		mg/Kg		84	62 - 113
Caprolactam	1.33	1.66		mg/Kg		124	59 - 140
Carbazole	3.33	2.70		mg/Kg		81	64 - 113
Chrysene	3.33	2.80		mg/Kg		84	71 - 122
Dibenz(a,h)anthracene	3.33	3.29		mg/Kg		99	66 - 119
Dibenzofuran	3.33	2.73		mg/Kg		82	65 - 108
Diethyl phthalate	3.33	2.72		mg/Kg		82	63 - 109
Dimethyl phthalate	3.33	2.74		mg/Kg		82	65 - 109
Di-n-butyl phthalate	3.33	2.77		mg/Kg		83	66 - 114
Di-n-octyl phthalate	3.33	3.12		mg/Kg		94	65 - 122
Fluoranthene	3.33	2.72		mg/Kg		81	61 - 106
Fluorene	3.33	2.71		mg/Kg		81	65 - 109
Hexachlorobenzene	3.33	3.04		mg/Kg		91	61 - 113
Hexachlorobutadiene	3.33	2.92		mg/Kg		88	62 - 109
Hexachlorocyclopentadiene	3.33	2.33		mg/Kg		70	42 - 118
Hexachloroethane	3.33	2.85		mg/Kg		86	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.13		mg/Kg		94	62 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781326/2-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781326

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isophorone			3.33	2.97		mg/Kg		89	63 - 107		
Naphthalene			3.33	2.78		mg/Kg		83	63 - 106		
Nitrobenzene			3.33	3.04		mg/Kg		91	63 - 110		
N-Nitrosodi-n-propylamine			3.33	3.11		mg/Kg		93	61 - 108		
N-Nitrosodiphenylamine			3.33	2.77		mg/Kg		83	67 - 113		
Pentachlorophenol			6.67	4.36		mg/Kg		65	44 - 126		
Phenanthrene			3.33	2.81		mg/Kg		84	66 - 112		
Phenol			3.33	2.94		mg/Kg		88	63 - 110		
Pyrene			3.33	2.87		mg/Kg		86	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*87*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: LCSD 460-781326/3-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781326

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.74		mg/Kg		82	65 - 110	2	30
1,2,4,5-Tetrachlorobenzene			3.33	2.75		mg/Kg		82	64 - 110	0	30
1,4-Dioxane			3.33	2.29		mg/Kg		69	31 - 81	1	30
2,2'-oxybis[1-chloropropane]			3.33	3.02		mg/Kg		91	49 - 109	2	30
2,3,4,6-Tetrachlorophenol			3.33	2.58		mg/Kg		78	58 - 113	1	30
2,4,5-Trichlorophenol			3.33	2.64		mg/Kg		79	64 - 112	3	30
2,4,6-Trichlorophenol			3.33	2.63		mg/Kg		79	63 - 113	3	30
2,4-Dichlorophenol			3.33	2.88		mg/Kg		86	66 - 113	1	30
2,4-Dimethylphenol			3.33	2.73		mg/Kg		82	63 - 107	0	30
2,4-Dinitrophenol			6.67	4.99		mg/Kg		75	25 - 150	9	30
2,4-Dinitrotoluene			3.33	2.87		mg/Kg		86	65 - 124	3	30
2,6-Dinitrotoluene			3.33	2.89		mg/Kg		87	67 - 121	1	30
2-Chloronaphthalene			3.33	2.71		mg/Kg		81	65 - 109	1	30
2-Chlorophenol			3.33	2.84		mg/Kg		85	63 - 106	2	30
2-Methylnaphthalene			3.33	2.75		mg/Kg		83	64 - 108	2	30
2-Methylphenol			3.33	3.01		mg/Kg		90	63 - 108	1	30
2-Nitroaniline			3.33	2.47		mg/Kg		74	59 - 119	1	30
2-Nitrophenol			3.33	2.80		mg/Kg		84	64 - 112	0	30
3,3'-Dichlorobenzidine			3.33	1.91		mg/Kg		57	17 - 101	23	30
3-Nitroaniline			3.33	2.31		mg/Kg		69	31 - 102	15	30
4,6-Dinitro-2-methylphenol			6.67	5.64		mg/Kg		85	44 - 136	2	30
4-Bromophenyl phenyl ether			3.33	2.95		mg/Kg		88	67 - 113	1	30
4-Chloro-3-methylphenol			3.33	2.88		mg/Kg		86	66 - 114	1	30
4-Chloroaniline			3.33	1.94	*	mg/Kg		58	20 - 98	46	30
4-Chlorophenyl phenyl ether			3.33	2.78		mg/Kg		83	66 - 110	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781326/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 781376
Prep Batch: 781326

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol			3.33	2.82		mg/Kg		85	61 - 108	0	30
4-Nitroaniline			3.33	2.25		mg/Kg		67	50 - 110	2	30
4-Nitrophenol			6.67	5.09		mg/Kg		76	47 - 123	3	30
Acenaphthene			3.33	2.25		mg/Kg		68	53 - 110	1	30
Acenaphthylene			3.33	2.72		mg/Kg		81	64 - 108	1	30
Acetophenone			3.33	2.82		mg/Kg		85	61 - 103	1	30
Anthracene			3.33	2.72		mg/Kg		82	67 - 114	1	30
Atrazine			1.33	1.61		mg/Kg		121	44 - 145	11	30
Benzaldehyde			1.33	1.51		mg/Kg		113	43 - 150	11	30
Benzo[a]anthracene			3.33	2.79		mg/Kg		84	67 - 115	2	30
Benzo[a]pyrene			3.33	3.32		mg/Kg		99	73 - 123	0	30
Benzo[b]fluoranthene			3.33	3.11		mg/Kg		93	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.11		mg/Kg		93	61 - 113	1	30
Benzo[k]fluoranthene			3.33	3.17		mg/Kg		95	67 - 115	1	30
Bis(2-chloroethoxy)methane			3.33	2.84		mg/Kg		85	62 - 107	1	30
Bis(2-chloroethyl)ether			3.33	2.89		mg/Kg		87	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	2.83		mg/Kg		85	59 - 111	2	30
Butyl benzyl phthalate			3.33	2.88		mg/Kg		86	62 - 113	2	30
Caprolactam			1.33	1.46		mg/Kg		110	59 - 140	12	30
Carbazole			3.33	2.69		mg/Kg		81	64 - 113	0	30
Chrysene			3.33	2.84		mg/Kg		85	71 - 122	1	30
Dibenz(a,h)anthracene			3.33	3.22		mg/Kg		97	66 - 119	2	30
Dibenzofuran			3.33	2.72		mg/Kg		82	65 - 108	1	30
Diethyl phthalate			3.33	2.69		mg/Kg		81	63 - 109	1	30
Dimethyl phthalate			3.33	2.69		mg/Kg		81	65 - 109	2	30
Di-n-butyl phthalate			3.33	2.69		mg/Kg		81	66 - 114	3	30
Di-n-octyl phthalate			3.33	3.08		mg/Kg		92	65 - 122	1	30
Fluoranthene			3.33	2.65		mg/Kg		80	61 - 106	2	30
Fluorene			3.33	2.72		mg/Kg		82	65 - 109	0	30
Hexachlorobenzene			3.33	3.04		mg/Kg		91	61 - 113	0	30
Hexachlorobutadiene			3.33	2.94		mg/Kg		88	62 - 109	1	30
Hexachlorocyclopentadiene			3.33	2.37		mg/Kg		71	42 - 118	2	30
Hexachloroethane			3.33	2.83		mg/Kg		85	61 - 102	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.31		mg/Kg		99	62 - 121	6	30
Isophorone			3.33	2.92		mg/Kg		88	63 - 107	2	30
Naphthalene			3.33	2.79		mg/Kg		84	63 - 106	0	30
Nitrobenzene			3.33	2.99		mg/Kg		90	63 - 110	2	30
N-Nitrosodi-n-propylamine			3.33	3.06		mg/Kg		92	61 - 108	2	30
N-Nitrosodiphenylamine			3.33	2.74		mg/Kg		82	67 - 113	1	30
Pentachlorophenol			6.67	4.39		mg/Kg		66	44 - 126	1	30
Phenanthrene			3.33	2.78		mg/Kg		83	66 - 112	1	30
Phenol			3.33	2.92		mg/Kg		88	63 - 110	1	30
Pyrene			3.33	2.88		mg/Kg		86	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*83*		*10 - 105*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781326/3-A
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781326

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*86*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Lab Sample ID: 460-235318-E-1-B MS
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.36	U	3.61	2.02	*	mg/Kg	☼	56	65 - 110
1,2,4,5-Tetrachlorobenzene	0.36	U	3.61	2.03	*	mg/Kg	☼	56	64 - 110
1,4-Dioxane	0.036	U	3.61	1.39		mg/Kg	☼	38	31 - 81
2,2'-oxybis[1-chloropropane]	0.36	U	3.61	2.10		mg/Kg	☼	58	49 - 109
2,3,4,6-Tetrachlorophenol	0.36	U	3.61	1.88	*	mg/Kg	☼	52	58 - 113
2,4,5-Trichlorophenol	0.36	U	3.61	1.98	*	mg/Kg	☼	55	64 - 112
2,4,6-Trichlorophenol	0.14	U	3.61	1.91	*	mg/Kg	☼	53	63 - 113
2,4-Dichlorophenol	0.14	U	3.61	2.12	*	mg/Kg	☼	59	66 - 113
2,4-Dimethylphenol	0.36	U	3.61	2.05	*	mg/Kg	☼	57	63 - 107
2,4-Dinitrophenol	0.29	U	7.21	1.70	*	mg/Kg	☼	24	25 - 150
2,4-Dinitrotoluene	0.072	U	3.61	2.10	*	mg/Kg	☼	58	65 - 124
2,6-Dinitrotoluene	0.072	U	3.61	2.13	*	mg/Kg	☼	59	67 - 121
2-Chloronaphthalene	0.36	U	3.61	1.99	*	mg/Kg	☼	55	65 - 109
2-Chlorophenol	0.36	U	3.61	2.07	*	mg/Kg	☼	57	63 - 106
2-Methylnaphthalene	0.36	U	3.61	2.02	*	mg/Kg	☼	56	64 - 108
2-Methylphenol	0.36	U	3.61	2.21	*	mg/Kg	☼	61	63 - 108
2-Nitroaniline	0.36	U	3.61	1.81	*	mg/Kg	☼	50	59 - 119
2-Nitrophenol	0.36	U	3.61	2.01	*	mg/Kg	☼	56	64 - 112
3,3'-Dichlorobenzidine	0.14	U	3.61	1.94		mg/Kg	☼	54	17 - 101
3-Nitroaniline	0.36	U	3.61	1.96		mg/Kg	☼	54	31 - 102
4,6-Dinitro-2-methylphenol	0.29	U	7.21	3.20		mg/Kg	☼	44	44 - 136
4-Bromophenyl phenyl ether	0.36	U	3.61	2.09	*	mg/Kg	☼	58	67 - 113
4-Chloro-3-methylphenol	0.36	U	3.61	2.15	*	mg/Kg	☼	60	66 - 114
4-Chloroaniline	0.36	U *	3.61	1.89		mg/Kg	☼	52	20 - 98
4-Chlorophenyl phenyl ether	0.36	U	3.61	2.08	*	mg/Kg	☼	58	66 - 110
4-Methylphenol	0.36	U	3.61	2.13	*	mg/Kg	☼	59	61 - 108
4-Nitroaniline	0.36	U	3.61	1.58	*	mg/Kg	☼	44	50 - 110
4-Nitrophenol	0.72	U	7.21	3.72		mg/Kg	☼	52	47 - 123
Acenaphthene	0.36	U	3.61	1.67	*	mg/Kg	☼	46	53 - 110
Acenaphthylene	0.36	U	3.61	2.04	*	mg/Kg	☼	57	64 - 108
Acetophenone	0.36	U	3.61	2.03	*	mg/Kg	☼	56	61 - 103
Anthracene	0.36	U	3.61	2.04	*	mg/Kg	☼	56	67 - 114
Atrazine	0.14	U	1.44	1.19		mg/Kg	☼	82	44 - 145
Benzaldehyde	0.36	U	1.44	1.06		mg/Kg	☼	74	43 - 150
Benzo[a]anthracene	0.036	U	3.61	2.01	*	mg/Kg	☼	56	67 - 115
Benzo[a]pyrene	0.036	U	3.61	2.40	*	mg/Kg	☼	67	73 - 123
Benzo[b]fluoranthene	0.036	U	3.61	2.33	*	mg/Kg	☼	65	70 - 125
Benzo[g,h,i]perylene	0.36	U	3.61	2.18		mg/Kg	☼	61	61 - 113
Benzo[k]fluoranthene	0.036	U	3.61	2.24	*	mg/Kg	☼	62	67 - 115

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235318-E-1-B MS
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	0.36	U	3.61	2.07	*	mg/Kg	☼	58	62 - 107
Bis(2-chloroethyl)ether	0.036	U	3.61	1.98	*	mg/Kg	☼	55	60 - 107
Bis(2-ethylhexyl) phthalate	0.36	U	3.61	1.94	*	mg/Kg	☼	54	59 - 111
Butyl benzyl phthalate	0.36	U	3.61	2.10	*	mg/Kg	☼	58	62 - 113
Caprolactam	0.36	U	1.44	1.01		mg/Kg	☼	70	59 - 140
Carbazole	0.36	U	3.61	1.95	*	mg/Kg	☼	54	64 - 113
Chrysene	0.36	U	3.61	2.02	*	mg/Kg	☼	56	71 - 122
Dibenz(a,h)anthracene	0.036	U	3.61	2.28	*	mg/Kg	☼	63	66 - 119
Dibenzofuran	0.36	U	3.61	2.05	*	mg/Kg	☼	57	65 - 108
Diethyl phthalate	0.36	U	3.61	1.97	*	mg/Kg	☼	55	63 - 109
Dimethyl phthalate	0.36	U	3.61	2.00	*	mg/Kg	☼	56	65 - 109
Di-n-butyl phthalate	0.36	U	3.61	1.99	*	mg/Kg	☼	55	66 - 114
Di-n-octyl phthalate	0.36	U	3.61	2.25	*	mg/Kg	☼	62	65 - 122
Fluoranthene	0.36	U	3.61	1.94	*	mg/Kg	☼	54	61 - 106
Fluorene	0.36	U	3.61	2.02	*	mg/Kg	☼	56	65 - 109
Hexachlorobenzene	0.036	U	3.61	2.23		mg/Kg	☼	62	61 - 113
Hexachlorobutadiene	0.072	U	3.61	1.97	*	mg/Kg	☼	55	62 - 109
Hexachlorocyclopentadiene	0.36	U	3.61	1.62		mg/Kg	☼	45	42 - 118
Hexachloroethane	0.036	U	3.61	1.81	*	mg/Kg	☼	50	61 - 102
Indeno[1,2,3-cd]pyrene	0.036	U	3.61	2.31		mg/Kg	☼	64	62 - 121
Isophorone	0.14	U	3.61	2.18	*	mg/Kg	☼	60	63 - 107
Naphthalene	0.36	U	3.61	1.98	*	mg/Kg	☼	55	63 - 106
Nitrobenzene	0.036	U	3.61	2.15	*	mg/Kg	☼	60	63 - 110
N-Nitrosodi-n-propylamine	0.036	U	3.61	2.23		mg/Kg	☼	62	61 - 108
N-Nitrosodiphenylamine	0.36	U	3.61	2.02	*	mg/Kg	☼	56	67 - 113
Pentachlorophenol	0.29	U	7.21	2.81	*	mg/Kg	☼	39	44 - 126
Phenanthrene	0.36	U	3.61	2.01	*	mg/Kg	☼	56	66 - 112
Phenol	0.36	U	3.61	2.29		mg/Kg	☼	63	63 - 110
Pyrene	0.36	U	3.61	2.10	*	mg/Kg	☼	58	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 123*
2-Fluorobiphenyl	*57*		*14 - 103*
2-Fluorophenol (Surr)	*56*		*10 - 105*
Nitrobenzene-d5 (Surr)	*55*		*11 - 104*
Phenol-d5 (Surr)	*58*		*15 - 100*
Terphenyl-d14 (Surr)	*65*		*12 - 126*

Lab Sample ID: 460-235318-E-1-C MSD
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.61	1.96	*	mg/Kg	☼	54	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.61	1.95	*	mg/Kg	☼	54	64 - 110	4	30
1,4-Dioxane	0.036	U	3.61	1.45		mg/Kg	☼	40	31 - 81	4	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.61	2.04		mg/Kg	☼	57	49 - 109	3	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.61	1.77	*	mg/Kg	☼	49	58 - 113	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235318-E-1-C MSD
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.36	U	3.61	1.88	*	mg/Kg	☼	52	64 - 112	5	30
2,4,6-Trichlorophenol	0.14	U	3.61	1.90	*	mg/Kg	☼	53	63 - 113	0	30
2,4-Dichlorophenol	0.14	U	3.61	2.03	*	mg/Kg	☼	56	66 - 113	4	30
2,4-Dimethylphenol	0.36	U	3.61	1.97	*	mg/Kg	☼	55	63 - 107	4	30
2,4-Dinitrophenol	0.29	U	7.21	1.36	*	mg/Kg	☼	19	25 - 150	22	30
2,4-Dinitrotoluene	0.072	U	3.61	2.01	*	mg/Kg	☼	56	65 - 124	4	30
2,6-Dinitrotoluene	0.072	U	3.61	2.06	*	mg/Kg	☼	57	67 - 121	4	30
2-Chloronaphthalene	0.36	U	3.61	1.93	*	mg/Kg	☼	54	65 - 109	3	30
2-Chlorophenol	0.36	U	3.61	2.02	*	mg/Kg	☼	56	63 - 106	3	30
2-Methylnaphthalene	0.36	U	3.61	1.93	*	mg/Kg	☼	54	64 - 108	4	30
2-Methylphenol	0.36	U	3.61	2.16	*	mg/Kg	☼	60	63 - 108	2	30
2-Nitroaniline	0.36	U	3.61	1.79	*	mg/Kg	☼	50	59 - 119	1	30
2-Nitrophenol	0.36	U	3.61	1.94	*	mg/Kg	☼	54	64 - 112	3	30
3,3'-Dichlorobenzidine	0.14	U	3.61	1.81		mg/Kg	☼	50	17 - 101	7	30
3-Nitroaniline	0.36	U	3.61	1.88		mg/Kg	☼	52	31 - 102	4	30
4,6-Dinitro-2-methylphenol	0.29	U	7.21	2.90	*	mg/Kg	☼	40	44 - 136	10	30
4-Bromophenyl phenyl ether	0.36	U	3.61	2.04	*	mg/Kg	☼	56	67 - 113	3	30
4-Chloro-3-methylphenol	0.36	U	3.61	2.02	*	mg/Kg	☼	56	66 - 114	6	30
4-Chloroaniline	0.36	U *	3.61	1.77		mg/Kg	☼	49	20 - 98	6	30
4-Chlorophenyl phenyl ether	0.36	U	3.61	1.99	*	mg/Kg	☼	55	66 - 110	4	30
4-Methylphenol	0.36	U	3.61	2.03	*	mg/Kg	☼	56	61 - 108	5	30
4-Nitroaniline	0.36	U	3.61	1.53	*	mg/Kg	☼	42	50 - 110	3	30
4-Nitrophenol	0.72	U	7.21	3.53		mg/Kg	☼	49	47 - 123	5	30
Acenaphthene	0.36	U	3.61	1.59	*	mg/Kg	☼	44	53 - 110	5	30
Acenaphthylene	0.36	U	3.61	1.96	*	mg/Kg	☼	54	64 - 108	4	30
Acetophenone	0.36	U	3.61	1.99	*	mg/Kg	☼	55	61 - 103	2	30
Anthracene	0.36	U	3.61	1.93	*	mg/Kg	☼	54	67 - 114	5	30
Atrazine	0.14	U	1.44	1.14		mg/Kg	☼	79	44 - 145	4	30
Benzaldehyde	0.36	U	1.44	1.04		mg/Kg	☼	72	43 - 150	2	30
Benzo[a]anthracene	0.036	U	3.61	1.92	*	mg/Kg	☼	53	67 - 115	5	30
Benzo[a]pyrene	0.036	U	3.61	2.25	*	mg/Kg	☼	63	73 - 123	6	30
Benzo[b]fluoranthene	0.036	U	3.61	2.17	*	mg/Kg	☼	60	70 - 125	7	30
Benzo[g,h,i]perylene	0.36	U	3.61	2.06	*	mg/Kg	☼	57	61 - 113	6	30
Benzo[k]fluoranthene	0.036	U	3.61	2.14	*	mg/Kg	☼	59	67 - 115	4	30
Bis(2-chloroethoxy)methane	0.36	U	3.61	2.00	*	mg/Kg	☼	55	62 - 107	4	30
Bis(2-chloroethyl)ether	0.036	U	3.61	1.99	*	mg/Kg	☼	55	60 - 107	1	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.61	1.84	*	mg/Kg	☼	51	59 - 111	5	30
Butyl benzyl phthalate	0.36	U	3.61	1.95	*	mg/Kg	☼	54	62 - 113	8	30
Caprolactam	0.36	U	1.44	1.00		mg/Kg	☼	70	59 - 140	1	30
Carbazole	0.36	U	3.61	1.86	*	mg/Kg	☼	51	64 - 113	5	30
Chrysene	0.36	U	3.61	1.91	*	mg/Kg	☼	53	71 - 122	6	30
Dibenz(a,h)anthracene	0.036	U	3.61	2.15	*	mg/Kg	☼	60	66 - 119	6	30
Dibenzofuran	0.36	U	3.61	1.92	*	mg/Kg	☼	53	65 - 108	6	30
Diethyl phthalate	0.36	U	3.61	1.88	*	mg/Kg	☼	52	63 - 109	4	30
Dimethyl phthalate	0.36	U	3.61	1.95	*	mg/Kg	☼	54	65 - 109	2	30
Di-n-butyl phthalate	0.36	U	3.61	1.86	*	mg/Kg	☼	52	66 - 114	6	30
Di-n-octyl phthalate	0.36	U	3.61	2.08	*	mg/Kg	☼	58	65 - 122	8	30
Fluoranthene	0.36	U	3.61	1.86	*	mg/Kg	☼	52	61 - 106	4	30
Fluorene	0.36	U	3.61	1.89	*	mg/Kg	☼	52	65 - 109	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235318-E-1-C MSD
Matrix: Solid
Analysis Batch: 781376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	0.036	U	3.61	2.06	*	mg/Kg	☼	57	61 - 113	8	30
Hexachlorobutadiene	0.072	U	3.61	1.92	*	mg/Kg	☼	53	62 - 109	3	30
Hexachlorocyclopentadiene	0.36	U	3.61	1.54		mg/Kg	☼	43	42 - 118	5	30
Hexachloroethane	0.036	U	3.61	1.82	*	mg/Kg	☼	50	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	0.036	U	3.61	2.16	*	mg/Kg	☼	60	62 - 121	7	30
Isophorone	0.14	U	3.61	2.10	*	mg/Kg	☼	58	63 - 107	4	30
Naphthalene	0.36	U	3.61	1.93	*	mg/Kg	☼	54	63 - 106	3	30
Nitrobenzene	0.036	U	3.61	2.11	*	mg/Kg	☼	59	63 - 110	2	30
N-Nitrosodi-n-propylamine	0.036	U	3.61	2.22		mg/Kg	☼	62	61 - 108	0	30
N-Nitrosodiphenylamine	0.36	U	3.61	1.96	*	mg/Kg	☼	54	67 - 113	3	30
Pentachlorophenol	0.29	U	7.21	2.53	*	mg/Kg	☼	35	44 - 126	11	30
Phenanthrene	0.36	U	3.61	1.93	*	mg/Kg	☼	54	66 - 112	4	30
Phenol	0.36	U	3.61	2.23	*	mg/Kg	☼	62	63 - 110	3	30
Pyrene	0.36	U	3.61	1.98	*	mg/Kg	☼	55	61 - 111	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 123*
2-Fluorobiphenyl	*53*		*14 - 103*
2-Fluorophenol (Surr)	*52*		*10 - 105*
Nitrobenzene-d5 (Surr)	*52*		*11 - 104*
Phenol-d5 (Surr)	*56*		*15 - 100*
Terphenyl-d14 (Surr)	*60*		*12 - 126*

Lab Sample ID: MB 460-781773/1-A
Matrix: Solid
Analysis Batch: 781862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/02/21 09:54	06/02/21 19:29	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/02/21 09:54	06/02/21 19:29	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/02/21 09:54	06/02/21 19:29	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/02/21 09:54	06/02/21 19:29	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/02/21 09:54	06/02/21 19:29	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/02/21 09:54	06/02/21 19:29	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/02/21 09:54	06/02/21 19:29	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/02/21 09:54	06/02/21 19:29	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/02/21 09:54	06/02/21 19:29	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/02/21 09:54	06/02/21 19:29	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/02/21 09:54	06/02/21 19:29	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/02/21 09:54	06/02/21 19:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*33 - 150*	*06/02/21 09:54*	*06/02/21 19:29*	*1*
2-Fluorobiphenyl	*75*		*42 - 127*	*06/02/21 09:54*	*06/02/21 19:29*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*06/02/21 09:54*	*06/02/21 19:29*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*06/02/21 09:54*	*06/02/21 19:29*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*06/02/21 09:54*	*06/02/21 19:29*	*1*
Terphenyl-d14 (Surr)	*135*		*39 - 150*	*06/02/21 09:54*	*06/02/21 19:29*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 460-781773/2-A
Matrix: Solid
Analysis Batch: 781862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0660		mg/L		83	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0761		mg/L		95	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0775		mg/L		97	66 - 117
3 & 4 Methylphenol	0.0800	0.0540		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0906		mg/L		113	68 - 134
Pyridine	0.160	0.0693		mg/L		43	13 - 71
2-Methylphenol	0.0800	0.0620		mg/L		78	48 - 88
Hexachlorobenzene	0.0800	0.0777		mg/L		97	61 - 117
Hexachlorobutadiene	0.0800	0.0703		mg/L		88	10 - 133
Hexachloroethane	0.0800	0.0694		mg/L		87	17 - 115
Nitrobenzene	0.0800	0.0878		mg/L		110	71 - 116
Pentachlorophenol	0.160	0.175		mg/L		109	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*33 - 150*
2-Fluorobiphenyl	*101*		*42 - 127*
2-Fluorophenol (Surr)	*52*		*18 - 72*
Nitrobenzene-d5 (Surr)	*97*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*109*		*39 - 150*

Lab Sample ID: LCSD 460-781773/3-A
Matrix: Solid
Analysis Batch: 781862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0652		mg/L		82	40 - 102	1	30
2,4,5-Trichlorophenol	0.0800	0.0769		mg/L		96	63 - 112	1	30
2,4,6-Trichlorophenol	0.0800	0.0776		mg/L		97	66 - 117	0	30
3 & 4 Methylphenol	0.0800	0.0528		mg/L		66	43 - 78	2	30
2,4-Dinitrotoluene	0.0800	0.0900		mg/L		112	68 - 134	1	30
Pyridine	0.160	0.0658		mg/L		41	13 - 71	5	30
2-Methylphenol	0.0800	0.0603		mg/L		75	48 - 88	3	30
Hexachlorobenzene	0.0800	0.0794		mg/L		99	61 - 117	2	30
Hexachlorobutadiene	0.0800	0.0704		mg/L		88	10 - 133	0	30
Hexachloroethane	0.0800	0.0669		mg/L		84	17 - 115	4	30
Nitrobenzene	0.0800	0.0867		mg/L		108	71 - 116	1	30
Pentachlorophenol	0.160	0.185		mg/L		116	54 - 131	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*33 - 150*
2-Fluorobiphenyl	*101*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*101*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*111*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782004/1-A
Matrix: Solid
Analysis Batch: 782090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/03/21 09:58	06/03/21 20:08	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/03/21 09:58	06/03/21 20:08	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/03/21 09:58	06/03/21 20:08	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/03/21 09:58	06/03/21 20:08	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/03/21 09:58	06/03/21 20:08	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/03/21 09:58	06/03/21 20:08	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/03/21 09:58	06/03/21 20:08	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/03/21 09:58	06/03/21 20:08	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/03/21 09:58	06/03/21 20:08	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/03/21 09:58	06/03/21 20:08	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/03/21 09:58	06/03/21 20:08	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/03/21 09:58	06/03/21 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*33 - 150*	*06/03/21 09:58*	*06/03/21 20:08*	*1*
2-Fluorobiphenyl	*67*		*42 - 127*	*06/03/21 09:58*	*06/03/21 20:08*	*1*
2-Fluorophenol (Surr)	*49*		*18 - 72*	*06/03/21 09:58*	*06/03/21 20:08*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 137*	*06/03/21 09:58*	*06/03/21 20:08*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*06/03/21 09:58*	*06/03/21 20:08*	*1*
Terphenyl-d14 (Surr)	*121*		*39 - 150*	*06/03/21 09:58*	*06/03/21 20:08*	*1*

Lab Sample ID: LCS 460-782004/2-A
Matrix: Solid
Analysis Batch: 782090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0697		mg/L		87	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0686		mg/L		86	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0748		mg/L		94	66 - 117
3 & 4 Methylphenol	0.0800	0.0537		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0723		mg/L		90	68 - 134
Pyridine	0.160	0.0478		mg/L		30	13 - 71
2-Methylphenol	0.0800	0.0562		mg/L		70	48 - 88
Hexachlorobenzene	0.0800	0.0725		mg/L		91	61 - 117
Hexachlorobutadiene	0.0800	0.0759		mg/L		95	10 - 133
Hexachloroethane	0.0800	0.0732		mg/L		91	17 - 115
Nitrobenzene	0.0800	0.0866		mg/L		108	71 - 116
Pentachlorophenol	0.160	0.150		mg/L		94	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*33 - 150*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*104*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*116*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782004/3-A
Matrix: Solid
Analysis Batch: 782090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782004

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0695		mg/L		87	40 - 102	0	30
2,4,5-Trichlorophenol			0.0800	0.0686		mg/L		86	63 - 112	0	30
2,4,6-Trichlorophenol			0.0800	0.0735		mg/L		92	66 - 117	2	30
3 & 4 Methylphenol			0.0800	0.0540		mg/L		67	43 - 78	0	30
2,4-Dinitrotoluene			0.0800	0.0732		mg/L		91	68 - 134	1	30
Pyridine			0.160	0.0486		mg/L		30	13 - 71	2	30
2-Methylphenol			0.0800	0.0559		mg/L		70	48 - 88	1	30
Hexachlorobenzene			0.0800	0.0726		mg/L		91	61 - 117	0	30
Hexachlorobutadiene			0.0800	0.0767		mg/L		96	10 - 133	1	30
Hexachloroethane			0.0800	0.0748		mg/L		94	17 - 115	2	30
Nitrobenzene			0.0800	0.0832		mg/L		104	71 - 116	4	30
Pentachlorophenol			0.160	0.149		mg/L		93	54 - 131	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*33 - 150*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol (Surr)	*53*		*18 - 72*
Nitrobenzene-d5 (Surr)	*105*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*116*		*39 - 150*

Lab Sample ID: LB 460-780555/1-B
Matrix: Solid
Analysis Batch: 780752

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780679

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/27/21 10:07	05/27/21 20:59	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/27/21 10:07	05/27/21 20:59	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/27/21 10:07	05/27/21 20:59	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/27/21 10:07	05/27/21 20:59	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/27/21 10:07	05/27/21 20:59	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/27/21 10:07	05/27/21 20:59	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/27/21 10:07	05/27/21 20:59	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/27/21 10:07	05/27/21 20:59	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/27/21 10:07	05/27/21 20:59	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/27/21 10:07	05/27/21 20:59	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/27/21 10:07	05/27/21 20:59	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/27/21 10:07	05/27/21 20:59	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 150*	*05/27/21 10:07*	*05/27/21 20:59*	*1*
2-Fluorobiphenyl	*61*		*42 - 127*	*05/27/21 10:07*	*05/27/21 20:59*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*05/27/21 10:07*	*05/27/21 20:59*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*05/27/21 10:07*	*05/27/21 20:59*	*1*
Phenol-d5 (Surr)	*35*		*10 - 50*	*05/27/21 10:07*	*05/27/21 20:59*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 150*	*05/27/21 10:07*	*05/27/21 20:59*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-781094/1-B
Matrix: Solid
Analysis Batch: 781240

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781150

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		05/29/21 07:15	05/29/21 23:54	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		05/29/21 07:15	05/29/21 23:54	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		05/29/21 07:15	05/29/21 23:54	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		05/29/21 07:15	05/29/21 23:54	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/29/21 07:15	05/29/21 23:54	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/29/21 07:15	05/29/21 23:54	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		05/29/21 07:15	05/29/21 23:54	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/29/21 07:15	05/29/21 23:54	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		05/29/21 07:15	05/29/21 23:54	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		05/29/21 07:15	05/29/21 23:54	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		05/29/21 07:15	05/29/21 23:54	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/29/21 07:15	05/29/21 23:54	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*33 - 150*	*05/29/21 07:15*	*05/29/21 23:54*	*1*
2-Fluorobiphenyl	*98*		*42 - 127*	*05/29/21 07:15*	*05/29/21 23:54*	*1*
2-Fluorophenol (Surr)	*60*		*18 - 72*	*05/29/21 07:15*	*05/29/21 23:54*	*1*
Nitrobenzene-d5 (Surr)	*111*		*46 - 137*	*05/29/21 07:15*	*05/29/21 23:54*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*05/29/21 07:15*	*05/29/21 23:54*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*05/29/21 07:15*	*05/29/21 23:54*	*1*

Lab Sample ID: LB 460-781595/1-B
Matrix: Solid
Analysis Batch: 781862

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781773

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/02/21 09:54	06/02/21 20:36	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/02/21 09:54	06/02/21 20:36	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/02/21 09:54	06/02/21 20:36	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/02/21 09:54	06/02/21 20:36	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/02/21 09:54	06/02/21 20:36	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/02/21 09:54	06/02/21 20:36	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/02/21 09:54	06/02/21 20:36	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/02/21 09:54	06/02/21 20:36	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/02/21 09:54	06/02/21 20:36	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/02/21 09:54	06/02/21 20:36	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/02/21 09:54	06/02/21 20:36	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/02/21 09:54	06/02/21 20:36	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*33 - 150*	*06/02/21 09:54*	*06/02/21 20:36*	*1*
2-Fluorobiphenyl	*76*		*42 - 127*	*06/02/21 09:54*	*06/02/21 20:36*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*06/02/21 09:54*	*06/02/21 20:36*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*06/02/21 09:54*	*06/02/21 20:36*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/02/21 09:54*	*06/02/21 20:36*	*1*
Terphenyl-d14 (Surr)	*108*		*39 - 150*	*06/02/21 09:54*	*06/02/21 20:36*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-781898/1-B
Matrix: Solid
Analysis Batch: 782090

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782004

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/03/21 09:58	06/03/21 21:12	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/03/21 09:58	06/03/21 21:12	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/03/21 09:58	06/03/21 21:12	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/03/21 09:58	06/03/21 21:12	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/03/21 09:58	06/03/21 21:12	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/03/21 09:58	06/03/21 21:12	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/03/21 09:58	06/03/21 21:12	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/03/21 09:58	06/03/21 21:12	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/03/21 09:58	06/03/21 21:12	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/03/21 09:58	06/03/21 21:12	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/03/21 09:58	06/03/21 21:12	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/03/21 09:58	06/03/21 21:12	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*33 - 150*	*06/03/21 09:58*	*06/03/21 21:12*	*1*
2-Fluorobiphenyl	*68*		*42 - 127*	*06/03/21 09:58*	*06/03/21 21:12*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*06/03/21 09:58*	*06/03/21 21:12*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*06/03/21 09:58*	*06/03/21 21:12*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*06/03/21 09:58*	*06/03/21 21:12*	*1*
Terphenyl-d14 (Surr)	*119*		*39 - 150*	*06/03/21 09:58*	*06/03/21 21:12*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-780239/1-A
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-780239/1-A
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/25/21 18:05	05/26/21 07:30	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/25/21 18:05	05/26/21 07:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*05/25/21 18:05*	*05/26/21 07:30*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*05/25/21 18:05*	*05/26/21 07:30*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*05/25/21 18:05*	*05/26/21 07:30*	*1*
Tetrachloro-m-xylene	*84*		*10 - 133*	*05/25/21 18:05*	*05/26/21 07:30*	*1*

Lab Sample ID: LCS 460-780239/2-A
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.145		mg/Kg		109	70 - 140
4,4'-DDD	0.133	0.166		mg/Kg		125	70 - 140
4,4'-DDE	0.133	0.146		mg/Kg		110	71 - 137
4,4'-DDE	0.133	0.165		mg/Kg		124	71 - 137
4,4'-DDT	0.133	0.147		mg/Kg		110	63 - 131
4,4'-DDT	0.133	0.170		mg/Kg		128	63 - 131
Aldrin	0.133	0.145		mg/Kg		109	74 - 140
Aldrin	0.133	0.160		mg/Kg		120	74 - 140
alpha-BHC	0.133	0.147		mg/Kg		110	72 - 142
alpha-BHC	0.133	0.158		mg/Kg		118	72 - 142
beta-BHC	0.133	0.151		mg/Kg		113	65 - 137
beta-BHC	0.133	0.160		mg/Kg		120	65 - 137
delta-BHC	0.133	0.150		mg/Kg		112	70 - 143
delta-BHC	0.133	0.159		mg/Kg		119	70 - 143
Dieldrin	0.133	0.145		mg/Kg		108	70 - 135
Dieldrin	0.133	0.162		mg/Kg		121	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-780239/2-A
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780239

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan I			0.133	0.141		mg/Kg		106	68 - 135		
Endosulfan I			0.133	0.158		mg/Kg		119	68 - 135		
Endosulfan II			0.133	0.149		mg/Kg		112	64 - 130		
Endosulfan II			0.133	0.171		mg/Kg		128	64 - 130		
Endosulfan sulfate			0.133	0.148		mg/Kg		111	66 - 143		
Endosulfan sulfate			0.133	0.170		mg/Kg		127	66 - 143		
Endrin			0.133	0.148		mg/Kg		111	68 - 136		
Endrin			0.133	0.164		mg/Kg		123	68 - 136		
Endrin aldehyde			0.133	0.138		mg/Kg		104	68 - 132		
Endrin aldehyde			0.133	0.152		mg/Kg		114	68 - 132		
Endrin ketone			0.133	0.128		mg/Kg		96	60 - 150		
Endrin ketone			0.133	0.140		mg/Kg		105	60 - 150		
gamma-BHC (Lindane)			0.133	0.147		mg/Kg		111	70 - 134		
gamma-BHC (Lindane)			0.133	0.159		mg/Kg		119	70 - 134		
Heptachlor			0.133	0.147		mg/Kg		111	69 - 134		
Heptachlor			0.133	0.161		mg/Kg		121	69 - 134		
Heptachlor epoxide			0.133	0.143		mg/Kg		107	70 - 135		
Heptachlor epoxide			0.133	0.156		mg/Kg		117	70 - 135		
Methoxychlor			0.133	0.140		mg/Kg		105	57 - 135		
Methoxychlor			0.133	0.159		mg/Kg		119	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*96*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*92*		*10 - 133*

Lab Sample ID: LCSD 460-780239/3-A
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.136		mg/Kg		102	70 - 140	7	30
4,4'-DDD			0.133	0.155		mg/Kg		116	70 - 140	7	30
4,4'-DDE			0.133	0.137		mg/Kg		103	71 - 137	7	30
4,4'-DDE			0.133	0.155		mg/Kg		116	71 - 137	7	30
4,4'-DDT			0.133	0.136		mg/Kg		102	63 - 131	8	30
4,4'-DDT			0.133	0.158		mg/Kg		119	63 - 131	7	30
Aldrin			0.133	0.135		mg/Kg		101	74 - 140	7	30
Aldrin			0.133	0.149		mg/Kg		112	74 - 140	7	30
alpha-BHC			0.133	0.140		mg/Kg		105	72 - 142	5	30
alpha-BHC			0.133	0.147		mg/Kg		110	72 - 142	7	30
beta-BHC			0.133	0.144		mg/Kg		108	65 - 137	5	30
beta-BHC			0.133	0.148		mg/Kg		111	65 - 137	7	30
delta-BHC			0.133	0.141		mg/Kg		106	70 - 143	6	30
delta-BHC			0.133	0.147		mg/Kg		110	70 - 143	8	30
Dieldrin			0.133	0.135		mg/Kg		102	70 - 135	7	30
Dieldrin			0.133	0.152		mg/Kg		114	70 - 135	6	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-780239/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 780289
Prep Batch: 780239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			0.133	0.132		mg/Kg		99	68 - 135	7	30
Endosulfan I			0.133	0.148		mg/Kg		111	68 - 135	6	30
Endosulfan II			0.133	0.140		mg/Kg		105	64 - 130	6	30
Endosulfan II			0.133	0.159		mg/Kg		120	64 - 130	7	30
Endosulfan sulfate			0.133	0.138		mg/Kg		104	66 - 143	7	30
Endosulfan sulfate			0.133	0.158		mg/Kg		119	66 - 143	7	30
Endrin			0.133	0.138		mg/Kg		103	68 - 136	7	30
Endrin			0.133	0.152		mg/Kg		114	68 - 136	7	30
Endrin aldehyde			0.133	0.128		mg/Kg		96	68 - 132	7	30
Endrin aldehyde			0.133	0.142		mg/Kg		106	68 - 132	7	30
Endrin ketone			0.133	0.117		mg/Kg		87	60 - 150	9	30
Endrin ketone			0.133	0.126		mg/Kg		94	60 - 150	11	30
gamma-BHC (Lindane)			0.133	0.140		mg/Kg		105	70 - 134	5	30
gamma-BHC (Lindane)			0.133	0.147		mg/Kg		110	70 - 134	7	30
Heptachlor			0.133	0.138		mg/Kg		104	69 - 134	6	30
Heptachlor			0.133	0.150		mg/Kg		112	69 - 134	7	30
Heptachlor epoxide			0.133	0.133		mg/Kg		100	70 - 135	7	30
Heptachlor epoxide			0.133	0.147		mg/Kg		110	70 - 135	6	30
Methoxychlor			0.133	0.130		mg/Kg		98	57 - 135	7	30
Methoxychlor			0.133	0.148		mg/Kg		111	57 - 135	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*10 - 150*
DCB Decachlorobiphenyl	*99*		*10 - 150*
Tetrachloro-m-xylene	*87*		*10 - 133*
Tetrachloro-m-xylene	*93*		*10 - 133*

Lab Sample ID: 460-235001-A-1-A MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 780289
Prep Batch: 780239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0068	U	0.135	0.137		mg/Kg	☼	102	70 - 140
4,4'-DDD	0.0068	U	0.135	0.145		mg/Kg	☼	108	70 - 140
4,4'-DDE	0.0017	J	0.135	0.134		mg/Kg	☼	98	71 - 137
4,4'-DDE	0.0020	J	0.135	0.144		mg/Kg	☼	105	71 - 137
4,4'-DDT	0.0068	U	0.135	0.140		mg/Kg	☼	104	63 - 131
4,4'-DDT	0.0068	U	0.135	0.150		mg/Kg	☼	111	63 - 131
Aldrin	0.0068	U	0.135	0.131		mg/Kg	☼	97	74 - 140
Aldrin	0.0068	U	0.135	0.140		mg/Kg	☼	104	74 - 140
alpha-BHC	0.0020	U	0.135	0.134		mg/Kg	☼	99	72 - 142
alpha-BHC	0.0020	U	0.135	0.140		mg/Kg	☼	104	72 - 142
beta-BHC	0.0020	U	0.135	0.136		mg/Kg	☼	101	65 - 137
beta-BHC	0.0020	U	0.135	0.137		mg/Kg	☼	102	65 - 137
delta-BHC	0.0020	U	0.135	0.137		mg/Kg	☼	102	70 - 143
delta-BHC	0.0020	U	0.135	0.141		mg/Kg	☼	104	70 - 143
Dieldrin	0.0020	U	0.135	0.135		mg/Kg	☼	100	70 - 135
Dieldrin	0.0020	U	0.135	0.142		mg/Kg	☼	105	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235001-A-1-A MS
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	0.0068	U	0.135	0.131		mg/Kg	☼	97	68 - 135
Endosulfan I	0.0068	U	0.135	0.139		mg/Kg	☼	103	68 - 135
Endosulfan II	0.0068	U	0.135	0.141		mg/Kg	☼	104	64 - 130
Endosulfan II	0.0068	U	0.135	0.152		mg/Kg	☼	113	64 - 130
Endosulfan sulfate	0.0068	U	0.135	0.141		mg/Kg	☼	105	66 - 143
Endosulfan sulfate	0.0068	U	0.135	0.151		mg/Kg	☼	112	66 - 143
Endrin	0.0068	U	0.135	0.138		mg/Kg	☼	102	68 - 136
Endrin	0.0068	U	0.135	0.144		mg/Kg	☼	106	68 - 136
Endrin aldehyde	0.0068	U	0.135	0.134		mg/Kg	☼	99	68 - 132
Endrin aldehyde	0.0068	U	0.135	0.137		mg/Kg	☼	102	68 - 132
Endrin ketone	0.0068	U	0.135	0.126		mg/Kg	☼	93	60 - 150
Endrin ketone	0.0068	U	0.135	0.127		mg/Kg	☼	94	60 - 150
gamma-BHC (Lindane)	0.0020	U	0.135	0.136		mg/Kg	☼	101	70 - 134
gamma-BHC (Lindane)	0.0020	U	0.135	0.140		mg/Kg	☼	104	70 - 134
Heptachlor	0.0068	U	0.135	0.134		mg/Kg	☼	99	69 - 134
Heptachlor	0.0068	U	0.135	0.141		mg/Kg	☼	105	69 - 134
Heptachlor epoxide	0.0068	U	0.135	0.131		mg/Kg	☼	97	70 - 135
Heptachlor epoxide	0.0068	U	0.135	0.137		mg/Kg	☼	102	70 - 135
Methoxychlor	0.0068	U	0.135	0.133		mg/Kg	☼	99	57 - 135
Methoxychlor	0.0068	U	0.135	0.140		mg/Kg	☼	104	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*91*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Lab Sample ID: 460-235001-A-1-B MSD
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0068	U	0.135	0.125		mg/Kg	☼	93	70 - 140	9	30
4,4'-DDD	0.0068	U	0.135	0.133		mg/Kg	☼	99	70 - 140	9	30
4,4'-DDE	0.0017	J	0.135	0.123		mg/Kg	☼	90	71 - 137	9	30
4,4'-DDE	0.0020	J	0.135	0.132		mg/Kg	☼	97	71 - 137	8	30
4,4'-DDT	0.0068	U	0.135	0.126		mg/Kg	☼	93	63 - 131	10	30
4,4'-DDT	0.0068	U	0.135	0.137		mg/Kg	☼	101	63 - 131	9	30
Aldrin	0.0068	U	0.135	0.119		mg/Kg	☼	89	74 - 140	10	30
Aldrin	0.0068	U	0.135	0.126		mg/Kg	☼	94	74 - 140	10	30
alpha-BHC	0.0020	U	0.135	0.123		mg/Kg	☼	91	72 - 142	9	30
alpha-BHC	0.0020	U	0.135	0.125		mg/Kg	☼	93	72 - 142	11	30
beta-BHC	0.0020	U	0.135	0.124		mg/Kg	☼	92	65 - 137	10	30
beta-BHC	0.0020	U	0.135	0.124		mg/Kg	☼	92	65 - 137	10	30
delta-BHC	0.0020	U	0.135	0.124		mg/Kg	☼	92	70 - 143	10	30
delta-BHC	0.0020	U	0.135	0.126		mg/Kg	☼	94	70 - 143	11	30
Dieldrin	0.0020	U	0.135	0.124		mg/Kg	☼	92	70 - 135	9	30
Dieldrin	0.0020	U	0.135	0.131		mg/Kg	☼	97	70 - 135	8	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235001-A-1-B MSD
Matrix: Solid
Analysis Batch: 780289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I	0.0068	U	0.135	0.121		mg/Kg	☼	90	68 - 135	8	30
Endosulfan I	0.0068	U	0.135	0.128		mg/Kg	☼	95	68 - 135	8	30
Endosulfan II	0.0068	U	0.135	0.129		mg/Kg	☼	95	64 - 130	9	30
Endosulfan II	0.0068	U	0.135	0.139		mg/Kg	☼	103	64 - 130	9	30
Endosulfan sulfate	0.0068	U	0.135	0.128		mg/Kg	☼	95	66 - 143	9	30
Endosulfan sulfate	0.0068	U	0.135	0.138		mg/Kg	☼	102	66 - 143	9	30
Endrin	0.0068	U	0.135	0.126		mg/Kg	☼	94	68 - 136	9	30
Endrin	0.0068	U	0.135	0.131		mg/Kg	☼	97	68 - 136	9	30
Endrin aldehyde	0.0068	U	0.135	0.121		mg/Kg	☼	90	68 - 132	10	30
Endrin aldehyde	0.0068	U	0.135	0.125		mg/Kg	☼	93	68 - 132	9	30
Endrin ketone	0.0068	U	0.135	0.114		mg/Kg	☼	85	60 - 150	10	30
Endrin ketone	0.0068	U	0.135	0.115		mg/Kg	☼	85	60 - 150	10	30
gamma-BHC (Lindane)	0.0020	U	0.135	0.123		mg/Kg	☼	92	70 - 134	10	30
gamma-BHC (Lindane)	0.0020	U	0.135	0.126		mg/Kg	☼	94	70 - 134	11	30
Heptachlor	0.0068	U	0.135	0.122		mg/Kg	☼	90	69 - 134	9	30
Heptachlor	0.0068	U	0.135	0.127		mg/Kg	☼	94	69 - 134	10	30
Heptachlor epoxide	0.0068	U	0.135	0.121		mg/Kg	☼	90	70 - 135	8	30
Heptachlor epoxide	0.0068	U	0.135	0.124		mg/Kg	☼	92	70 - 135	10	30
Methoxychlor	0.0068	U	0.135	0.121		mg/Kg	☼	90	57 - 135	9	30
Methoxychlor	0.0068	U	0.135	0.127		mg/Kg	☼	94	57 - 135	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*10 - 150*
DCB Decachlorobiphenyl	*89*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 133*
Tetrachloro-m-xylene	*84*		*10 - 133*

Lab Sample ID: MB 460-780844/1-A
Matrix: Solid
Analysis Batch: 780809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 08:10	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 08:10	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:10	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:10	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 08:10	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 08:10	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 08:10	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 08:10	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 08:10	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 08:10	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:10	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 08:10	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 08:10	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 08:10	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-780844/1-A
Matrix: Solid
Analysis Batch: 780809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780844

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		10 - 150	05/27/21 22:36	05/28/21 08:10	1
DCB Decachlorobiphenyl	102		10 - 150	05/27/21 22:36	05/28/21 08:10	1
Tetrachloro-m-xylene	89		10 - 150	05/27/21 22:36	05/28/21 08:10	1
Tetrachloro-m-xylene	88		10 - 150	05/27/21 22:36	05/28/21 08:10	1

Lab Sample ID: LCS 460-780844/2-A
Matrix: Solid
Analysis Batch: 780809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000703		mg/L		88	64 - 130
cis-Chlordane	0.000800	0.000776		mg/L		97	64 - 130
trans-Chlordane	0.000800	0.000718		mg/L		90	65 - 132
trans-Chlordane	0.000800	0.000790		mg/L		99	65 - 132
Endrin	0.000800	0.000717		mg/L		90	67 - 132
Endrin	0.000800	0.000771		mg/L		96	67 - 132
gamma-BHC (Lindane)	0.000800	0.000714		mg/L		89	65 - 134
gamma-BHC (Lindane)	0.000800	0.000753		mg/L		94	65 - 134
Heptachlor	0.000800	0.000717		mg/L		90	63 - 128
Heptachlor	0.000800	0.000785		mg/L		98	63 - 128
Heptachlor epoxide	0.000800	0.000714		mg/L		89	66 - 128
Heptachlor epoxide	0.000800	0.000776		mg/L		97	66 - 128
Methoxychlor	0.000800	0.000711		mg/L		89	42 - 151
Methoxychlor	0.000800	0.000758		mg/L		95	42 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	91		10 - 150
DCB Decachlorobiphenyl	92		10 - 150
Tetrachloro-m-xylene	78		10 - 150
Tetrachloro-m-xylene	81		10 - 150

Lab Sample ID: LCSD 460-780844/3-A
Matrix: Solid
Analysis Batch: 780809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.000800	0.000698		mg/L		87	64 - 130	1	30
cis-Chlordane	0.000800	0.000745		mg/L		93	64 - 130	4	30
trans-Chlordane	0.000800	0.000715		mg/L		89	65 - 132	0	30
trans-Chlordane	0.000800	0.000756		mg/L		95	65 - 132	4	30
Endrin	0.000800	0.000703		mg/L		88	67 - 132	2	30
Endrin	0.000800	0.000738		mg/L		92	67 - 132	4	30
gamma-BHC (Lindane)	0.000800	0.000716		mg/L		90	65 - 134	0	30
gamma-BHC (Lindane)	0.000800	0.000753		mg/L		94	65 - 134	0	30
Heptachlor	0.000800	0.000719		mg/L		90	63 - 128	0	30
Heptachlor	0.000800	0.000761		mg/L		95	63 - 128	3	30
Heptachlor epoxide	0.000800	0.000707		mg/L		88	66 - 128	1	30
Heptachlor epoxide	0.000800	0.000749		mg/L		94	66 - 128	4	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-780844/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 780809
Prep Batch: 780844

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor			0.000800	0.000670		mg/L		84	42 - 151	6	30
Methoxychlor			0.000800	0.000728		mg/L		91	42 - 151	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*90*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 150*

Lab Sample ID: MB 460-781082/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 781401
Prep Batch: 781082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:20	05/31/21 10:11	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-781082/1-A
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/28/21 18:20	05/31/21 10:11	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/28/21 18:20	05/31/21 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*05/28/21 18:20*	*05/31/21 10:11*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/28/21 18:20*	*05/31/21 10:11*	*1*
Tetrachloro-m-xylene	*87*		*10 - 133*	*05/28/21 18:20*	*05/31/21 10:11*	*1*
Tetrachloro-m-xylene	*83*		*10 - 133*	*05/28/21 18:20*	*05/31/21 10:11*	*1*

Lab Sample ID: LCS 460-781082/2-A
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.144		mg/Kg		108	70 - 140
4,4'-DDD	0.133	0.143		mg/Kg		107	70 - 140
4,4'-DDE	0.133	0.148		mg/Kg		111	71 - 137
4,4'-DDE	0.133	0.143		mg/Kg		107	71 - 137
4,4'-DDT	0.133	0.128		mg/Kg		96	63 - 131
4,4'-DDT	0.133	0.138		mg/Kg		104	63 - 131
Aldrin	0.133	0.149		mg/Kg		112	74 - 140
Aldrin	0.133	0.143		mg/Kg		107	74 - 140
alpha-BHC	0.133	0.149		mg/Kg		112	72 - 142
alpha-BHC	0.133	0.146		mg/Kg		109	72 - 142
beta-BHC	0.133	0.143		mg/Kg		107	65 - 137
beta-BHC	0.133	0.145		mg/Kg		109	65 - 137
delta-BHC	0.133	0.149		mg/Kg		112	70 - 143
delta-BHC	0.133	0.146		mg/Kg		110	70 - 143
Dieldrin	0.133	0.147		mg/Kg		110	70 - 135
Dieldrin	0.133	0.145		mg/Kg		109	70 - 135
Endosulfan I	0.133	0.149		mg/Kg		112	68 - 135
Endosulfan I	0.133	0.146		mg/Kg		110	68 - 135
Endosulfan II	0.133	0.154		mg/Kg		116	64 - 130
Endosulfan II	0.133	0.155		mg/Kg		116	64 - 130
Endosulfan sulfate	0.133	0.149		mg/Kg		112	66 - 143
Endosulfan sulfate	0.133	0.139		mg/Kg		104	66 - 143
Endrin	0.133	0.145		mg/Kg		109	68 - 136
Endrin	0.133	0.147		mg/Kg		110	68 - 136
Endrin aldehyde	0.133	0.143		mg/Kg		107	68 - 132
Endrin aldehyde	0.133	0.141		mg/Kg		106	68 - 132
Endrin ketone	0.133	0.151		mg/Kg		113	60 - 150
Endrin ketone	0.133	0.145		mg/Kg		109	60 - 150
gamma-BHC (Lindane)	0.133	0.147		mg/Kg		110	70 - 134
gamma-BHC (Lindane)	0.133	0.145		mg/Kg		109	70 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-781082/2-A
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781082

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.133	0.146		mg/Kg		109	69 - 134		
Heptachlor			0.133	0.143		mg/Kg		107	69 - 134		
Heptachlor epoxide			0.133	0.145		mg/Kg		109	70 - 135		
Heptachlor epoxide			0.133	0.140		mg/Kg		105	70 - 135		
Methoxychlor			0.133	0.120		mg/Kg		90	57 - 135		
Methoxychlor			0.133	0.122		mg/Kg		92	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 150*
DCB Decachlorobiphenyl	*97*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*86*		*10 - 133*

Lab Sample ID: LCSD 460-781082/3-A
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781082

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.154		mg/Kg		115	70 - 140	6	30
4,4'-DDD			0.133	0.147		mg/Kg		110	70 - 140	2	30
4,4'-DDE			0.133	0.156		mg/Kg		117	71 - 137	5	30
4,4'-DDE			0.133	0.144		mg/Kg		108	71 - 137	3	30
4,4'-DDT			0.133	0.134		mg/Kg		101	63 - 131	5	30
4,4'-DDT			0.133	0.140		mg/Kg		105	63 - 131	9	30
Aldrin			0.133	0.156		mg/Kg		117	74 - 140	5	30
Aldrin			0.133	0.143		mg/Kg		107	74 - 140	4	30
alpha-BHC			0.133	0.155		mg/Kg		116	72 - 142	4	30
alpha-BHC			0.133	0.146		mg/Kg		109	72 - 142	2	30
beta-BHC			0.133	0.150		mg/Kg		112	65 - 137	4	30
beta-BHC			0.133	0.145		mg/Kg		109	65 - 137	1	30
delta-BHC			0.133	0.156		mg/Kg		117	70 - 143	5	30
delta-BHC			0.133	0.146		mg/Kg		110	70 - 143	2	30
Dieldrin			0.133	0.154		mg/Kg		116	70 - 135	5	30
Dieldrin			0.133	0.146		mg/Kg		109	70 - 135	1	30
Endosulfan I			0.133	0.156		mg/Kg		117	68 - 135	5	30
Endosulfan I			0.133	0.147		mg/Kg		110	68 - 135	1	30
Endosulfan II			0.133	0.164		mg/Kg		123	64 - 130	6	30
Endosulfan II			0.133	0.158		mg/Kg		119	64 - 130	3	30
Endosulfan sulfate			0.133	0.157		mg/Kg		117	66 - 143	5	30
Endosulfan sulfate			0.133	0.139		mg/Kg		104	66 - 143	7	30
Endrin			0.133	0.152		mg/Kg		114	68 - 136	5	30
Endrin			0.133	0.149		mg/Kg		112	68 - 136	3	30
Endrin aldehyde			0.133	0.150		mg/Kg		112	68 - 132	5	30
Endrin aldehyde			0.133	0.142		mg/Kg		106	68 - 132	1	30
Endrin ketone			0.133	0.158		mg/Kg		118	60 - 150	4	30
Endrin ketone			0.133	0.146		mg/Kg		109	60 - 150	3	30
gamma-BHC (Lindane)			0.133	0.154		mg/Kg		115	70 - 134	5	30
gamma-BHC (Lindane)			0.133	0.145		mg/Kg		109	70 - 134	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-781082/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 781401
Prep Batch: 781082

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor			0.133	0.152		mg/Kg		114	69 - 134	5	30
Heptachlor			0.133	0.143		mg/Kg		107	69 - 134	2	30
Heptachlor epoxide			0.133	0.152		mg/Kg		114	70 - 135	5	30
Heptachlor epoxide			0.133	0.140		mg/Kg		105	70 - 135	3	30
Methoxychlor			0.133	0.126		mg/Kg		95	57 - 135	5	30
Methoxychlor			0.133	0.123		mg/Kg		92	57 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*97*		*10 - 150*
Tetrachloro-m-xylene	*87*		*10 - 133*
Tetrachloro-m-xylene	*84*		*10 - 133*

Lab Sample ID: 460-235271-1 MS
Client Sample ID: WCR-5 (0-8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 781401
Prep Batch: 781082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0071	U	0.141	0.151		mg/Kg	☼	107	70 - 140
4,4'-DDD	0.0071	U	0.141	0.134		mg/Kg	☼	95	70 - 140
4,4'-DDE	0.0071	U	0.141	0.151		mg/Kg	☼	107	71 - 137
4,4'-DDE	0.0071	U	0.141	0.132		mg/Kg	☼	94	71 - 137
4,4'-DDT	0.0071	U	0.141	0.127		mg/Kg	☼	90	63 - 131
4,4'-DDT	0.0071	U	0.141	0.128		mg/Kg	☼	91	63 - 131
Aldrin	0.0071	U	0.141	0.151		mg/Kg	☼	108	74 - 140
Aldrin	0.0071	U	0.141	0.134		mg/Kg	☼	95	74 - 140
alpha-BHC	0.0021	U	0.141	0.152		mg/Kg	☼	108	72 - 142
alpha-BHC	0.0021	U	0.141	0.137		mg/Kg	☼	98	72 - 142
beta-BHC	0.0021	U	0.141	0.142		mg/Kg	☼	101	65 - 137
beta-BHC	0.0021	U	0.141	0.132		mg/Kg	☼	94	65 - 137
delta-BHC	0.0021	U	0.141	0.152		mg/Kg	☼	108	70 - 143
delta-BHC	0.0021	U	0.141	0.138		mg/Kg	☼	98	70 - 143
Dieldrin	0.0021	U	0.141	0.150		mg/Kg	☼	106	70 - 135
Dieldrin	0.0021	U	0.141	0.136		mg/Kg	☼	97	70 - 135
Endosulfan I	0.0071	U	0.141	0.151		mg/Kg	☼	108	68 - 135
Endosulfan I	0.0071	U	0.141	0.138		mg/Kg	☼	98	68 - 135
Endosulfan II	0.0071	U	0.141	0.160		mg/Kg	☼	113	64 - 130
Endosulfan II	0.0071	U	0.141	0.145		mg/Kg	☼	103	64 - 130
Endosulfan sulfate	0.0071	U	0.141	0.152		mg/Kg	☼	108	66 - 143
Endosulfan sulfate	0.0071	U	0.141	0.130		mg/Kg	☼	92	66 - 143
Endrin	0.0071	U	0.141	0.147		mg/Kg	☼	104	68 - 136
Endrin	0.0071	U	0.141	0.137		mg/Kg	☼	97	68 - 136
Endrin aldehyde	0.0071	U	0.141	0.146		mg/Kg	☼	103	68 - 132
Endrin aldehyde	0.0071	U	0.141	0.132		mg/Kg	☼	94	68 - 132
Endrin ketone	0.0071	U	0.141	0.154		mg/Kg	☼	110	60 - 150
Endrin ketone	0.0071	U	0.141	0.137		mg/Kg	☼	97	60 - 150
gamma-BHC (Lindane)	0.0021	U	0.141	0.150		mg/Kg	☼	106	70 - 134
gamma-BHC (Lindane)	0.0021	U	0.141	0.137		mg/Kg	☼	97	70 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235271-1 MS
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.0071	U	0.141	0.147		mg/Kg	☼	105	69 - 134
Heptachlor	0.0071	U	0.141	0.134		mg/Kg	☼	95	69 - 134
Heptachlor epoxide	0.0071	U	0.141	0.148		mg/Kg	☼	105	70 - 135
Heptachlor epoxide	0.0071	U	0.141	0.132		mg/Kg	☼	94	70 - 135
Methoxychlor	0.0071	U	0.141	0.122		mg/Kg	☼	87	57 - 135
Methoxychlor	0.0071	U	0.141	0.115		mg/Kg	☼	82	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*84*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*76*		*10 - 133*

Lab Sample ID: 460-235271-1 MSD
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0071	U	0.141	0.138		mg/Kg	☼	98	70 - 140	9	30
4,4'-DDD	0.0071	U	0.141	0.133		mg/Kg	☼	94	70 - 140	1	30
4,4'-DDE	0.0071	U	0.141	0.139		mg/Kg	☼	98	71 - 137	8	30
4,4'-DDE	0.0071	U	0.141	0.131		mg/Kg	☼	93	71 - 137	1	30
4,4'-DDT	0.0071	U	0.141	0.116		mg/Kg	☼	82	63 - 131	9	30
4,4'-DDT	0.0071	U	0.141	0.125		mg/Kg	☼	89	63 - 131	2	30
Aldrin	0.0071	U	0.141	0.140		mg/Kg	☼	99	74 - 140	8	30
Aldrin	0.0071	U	0.141	0.132		mg/Kg	☼	94	74 - 140	2	30
alpha-BHC	0.0021	U	0.141	0.140		mg/Kg	☼	99	72 - 142	8	30
alpha-BHC	0.0021	U	0.141	0.135		mg/Kg	☼	96	72 - 142	2	30
beta-BHC	0.0021	U	0.141	0.131		mg/Kg	☼	93	65 - 137	8	30
beta-BHC	0.0021	U	0.141	0.131		mg/Kg	☼	93	65 - 137	1	30
delta-BHC	0.0021	U	0.141	0.140		mg/Kg	☼	100	70 - 143	8	30
delta-BHC	0.0021	U	0.141	0.137		mg/Kg	☼	97	70 - 143	1	30
Dieldrin	0.0021	U	0.141	0.138		mg/Kg	☼	98	70 - 135	8	30
Dieldrin	0.0021	U	0.141	0.134		mg/Kg	☼	95	70 - 135	1	30
Endosulfan I	0.0071	U	0.141	0.140		mg/Kg	☼	99	68 - 135	8	30
Endosulfan I	0.0071	U	0.141	0.136		mg/Kg	☼	96	68 - 135	1	30
Endosulfan II	0.0071	U	0.141	0.146		mg/Kg	☼	104	64 - 130	9	30
Endosulfan II	0.0071	U	0.141	0.143		mg/Kg	☼	101	64 - 130	2	30
Endosulfan sulfate	0.0071	U	0.141	0.141		mg/Kg	☼	100	66 - 143	8	30
Endosulfan sulfate	0.0071	U	0.141	0.128		mg/Kg	☼	91	66 - 143	1	30
Endrin	0.0071	U	0.141	0.135		mg/Kg	☼	96	68 - 136	8	30
Endrin	0.0071	U	0.141	0.136		mg/Kg	☼	96	68 - 136	1	30
Endrin aldehyde	0.0071	U	0.141	0.134		mg/Kg	☼	95	68 - 132	8	30
Endrin aldehyde	0.0071	U	0.141	0.130		mg/Kg	☼	92	68 - 132	2	30
Endrin ketone	0.0071	U	0.141	0.141		mg/Kg	☼	100	60 - 150	9	30
Endrin ketone	0.0071	U	0.141	0.135		mg/Kg	☼	96	60 - 150	1	30
gamma-BHC (Lindane)	0.0021	U	0.141	0.138		mg/Kg	☼	98	70 - 134	8	30
gamma-BHC (Lindane)	0.0021	U	0.141	0.135		mg/Kg	☼	96	70 - 134	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235271-1 MSD
Matrix: Solid
Analysis Batch: 781401

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor	0.0071	U	0.141	0.135		mg/Kg	☼	96	69 - 134	8	30
Heptachlor	0.0071	U	0.141	0.132		mg/Kg	☼	94	69 - 134	1	30
Heptachlor epoxide	0.0071	U	0.141	0.136		mg/Kg	☼	97	70 - 135	8	30
Heptachlor epoxide	0.0071	U	0.141	0.130		mg/Kg	☼	92	70 - 135	2	30
Methoxychlor	0.0071	U	0.141	0.114		mg/Kg	☼	81	57 - 135	7	30
Methoxychlor	0.0071	U	0.141	0.114		mg/Kg	☼	81	57 - 135	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*10 - 150*
DCB Decachlorobiphenyl	*89*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*78*		*10 - 133*

Lab Sample ID: MB 460-781084/1-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/28/21 18:24	05/31/21 10:21	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-781084/1-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/28/21 18:24	05/31/21 10:21	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/28/21 18:24	05/31/21 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*05/28/21 18:24*	*05/31/21 10:21*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*05/28/21 18:24*	*05/31/21 10:21*	*1*
Tetrachloro-m-xylene	*85*		*10 - 133*	*05/28/21 18:24*	*05/31/21 10:21*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*05/28/21 18:24*	*05/31/21 10:21*	*1*

Lab Sample ID: LCS 460-781084/2-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.123		mg/Kg		93	70 - 140
4,4'-DDD	0.133	0.154		mg/Kg		115	70 - 140
4,4'-DDE	0.133	0.137		mg/Kg		103	71 - 137
4,4'-DDE	0.133	0.144		mg/Kg		108	71 - 137
4,4'-DDT	0.133	0.114		mg/Kg		86	63 - 131
4,4'-DDT	0.133	0.132		mg/Kg		99	63 - 131
Aldrin	0.133	0.130		mg/Kg		98	74 - 140
Aldrin	0.133	0.151		mg/Kg		113	74 - 140
alpha-BHC	0.133	0.134		mg/Kg		101	72 - 142
alpha-BHC	0.133	0.149		mg/Kg		112	72 - 142
beta-BHC	0.133	0.148		mg/Kg		111	65 - 137
beta-BHC	0.133	0.157		mg/Kg		118	65 - 137
delta-BHC	0.133	0.135		mg/Kg		101	70 - 143
delta-BHC	0.133	0.150		mg/Kg		113	70 - 143
Dieldrin	0.133	0.127		mg/Kg		95	70 - 135
Dieldrin	0.133	0.154		mg/Kg		115	70 - 135
Endosulfan I	0.133	0.135		mg/Kg		101	68 - 135
Endosulfan I	0.133	0.155		mg/Kg		116	68 - 135
Endosulfan II	0.133	0.146		mg/Kg		109	64 - 130
Endosulfan II	0.133	0.159		mg/Kg		119	64 - 130
Endosulfan sulfate	0.133	0.132		mg/Kg		99	66 - 143
Endosulfan sulfate	0.133	0.145		mg/Kg		109	66 - 143
Endrin	0.133	0.121		mg/Kg		91	68 - 136
Endrin	0.133	0.141		mg/Kg		106	68 - 136
Endrin aldehyde	0.133	0.132		mg/Kg		99	68 - 132
Endrin aldehyde	0.133	0.150		mg/Kg		113	68 - 132

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-781084/2-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	0.133	0.133		mg/Kg		99	60 - 150
Endrin ketone	0.133	0.147		mg/Kg		110	60 - 150
gamma-BHC (Lindane)	0.133	0.133		mg/Kg		99	70 - 134
gamma-BHC (Lindane)	0.133	0.150		mg/Kg		113	70 - 134
Heptachlor	0.133	0.127		mg/Kg		95	69 - 134
Heptachlor	0.133	0.145		mg/Kg		109	69 - 134
Heptachlor epoxide	0.133	0.132		mg/Kg		99	70 - 135
Heptachlor epoxide	0.133	0.151		mg/Kg		113	70 - 135
Methoxychlor	0.133	0.110		mg/Kg		83	57 - 135
Methoxychlor	0.133	0.109		mg/Kg		82	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*96*		*10 - 133*
Tetrachloro-m-xylene	*89*		*10 - 133*

Lab Sample ID: LCSD 460-781084/3-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.130		mg/Kg		97	70 - 140	5	30
4,4'-DDD	0.133	0.164		mg/Kg		123	70 - 140	6	30
4,4'-DDE	0.133	0.144		mg/Kg		108	71 - 137	5	30
4,4'-DDE	0.133	0.151		mg/Kg		113	71 - 137	4	30
4,4'-DDT	0.133	0.119		mg/Kg		89	63 - 131	4	30
4,4'-DDT	0.133	0.145		mg/Kg		109	63 - 131	9	30
Aldrin	0.133	0.135		mg/Kg		101	74 - 140	4	30
Aldrin	0.133	0.157		mg/Kg		118	74 - 140	4	30
alpha-BHC	0.133	0.138		mg/Kg		104	72 - 142	3	30
alpha-BHC	0.133	0.155		mg/Kg		116	72 - 142	4	30
beta-BHC	0.133	0.152		mg/Kg		114	65 - 137	2	30
beta-BHC	0.133	0.163		mg/Kg		122	65 - 137	4	30
delta-BHC	0.133	0.138		mg/Kg		104	70 - 143	2	30
delta-BHC	0.133	0.156		mg/Kg		117	70 - 143	4	30
Dieldrin	0.133	0.134		mg/Kg		101	70 - 135	5	30
Dieldrin	0.133	0.160		mg/Kg		120	70 - 135	4	30
Endosulfan I	0.133	0.141		mg/Kg		106	68 - 135	4	30
Endosulfan I	0.133	0.162		mg/Kg		121	68 - 135	4	30
Endosulfan II	0.133	0.153		mg/Kg		115	64 - 130	5	30
Endosulfan II	0.133	0.170		mg/Kg		128	64 - 130	7	30
Endosulfan sulfate	0.133	0.139		mg/Kg		104	66 - 143	5	30
Endosulfan sulfate	0.133	0.158		mg/Kg		118	66 - 143	8	30
Endrin	0.133	0.126		mg/Kg		95	68 - 136	4	30
Endrin	0.133	0.148		mg/Kg		111	68 - 136	5	30
Endrin aldehyde	0.133	0.139		mg/Kg		105	68 - 132	5	30
Endrin aldehyde	0.133	0.171		mg/Kg		129	68 - 132	13	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-781084/3-A
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781084

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin ketone			0.133	0.139		mg/Kg		104	60 - 150	5	30
Endrin ketone			0.133	0.154		mg/Kg		115	60 - 150	4	30
gamma-BHC (Lindane)			0.133	0.137		mg/Kg		103	70 - 134	3	30
gamma-BHC (Lindane)			0.133	0.156		mg/Kg		117	70 - 134	4	30
Heptachlor			0.133	0.129		mg/Kg		97	69 - 134	1	30
Heptachlor			0.133	0.151		mg/Kg		113	69 - 134	4	30
Heptachlor epoxide			0.133	0.136		mg/Kg		102	70 - 135	3	30
Heptachlor epoxide			0.133	0.157		mg/Kg		118	70 - 135	4	30
Methoxychlor			0.133	0.118		mg/Kg		88	57 - 135	7	30
Methoxychlor			0.133	0.125		mg/Kg		94	57 - 135	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*103*		*10 - 133*
Tetrachloro-m-xylene	*93*		*10 - 133*

Lab Sample ID: 460-235302-A-1-D MS
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	0.0077	U	0.153	0.145		mg/Kg	☼	95	70 - 140		
4,4'-DDD	0.0077	U	0.153	0.189		mg/Kg	☼	124	70 - 140		
4,4'-DDE	0.0077	U	0.153	0.161		mg/Kg	☼	105	71 - 137		
4,4'-DDE	0.0077	U	0.153	0.172		mg/Kg	☼	113	71 - 137		
4,4'-DDT	0.0077	U	0.153	0.134		mg/Kg	☼	88	63 - 131		
4,4'-DDT	0.0077	U	0.153	0.162		mg/Kg	☼	106	63 - 131		
Aldrin	0.0077	U	0.153	0.153		mg/Kg	☼	100	74 - 140		
Aldrin	0.0077	U	0.153	0.179		mg/Kg	☼	117	74 - 140		
alpha-BHC	0.0023	U	0.153	0.157		mg/Kg	☼	103	72 - 142		
alpha-BHC	0.0023	U	0.153	0.177		mg/Kg	☼	116	72 - 142		
beta-BHC	0.0023	U	0.153	0.170		mg/Kg	☼	112	65 - 137		
beta-BHC	0.0023	U	0.153	0.186		mg/Kg	☼	122	65 - 137		
delta-BHC	0.0023	U	0.153	0.157		mg/Kg	☼	103	70 - 143		
delta-BHC	0.0023	U	0.153	0.178		mg/Kg	☼	117	70 - 143		
Dieldrin	0.0023	U	0.153	0.150		mg/Kg	☼	98	70 - 135		
Dieldrin	0.0023	U	0.153	0.183		mg/Kg	☼	120	70 - 135		
Endosulfan I	0.0077	U	0.153	0.158		mg/Kg	☼	104	68 - 135		
Endosulfan I	0.0077	U	0.153	0.184		mg/Kg	☼	121	68 - 135		
Endosulfan II	0.0077	U	0.153	0.171		mg/Kg	☼	112	64 - 130		
Endosulfan II	0.0077	U	0.153	0.194		mg/Kg	☼	127	64 - 130		
Endosulfan sulfate	0.0077	U	0.153	0.158		mg/Kg	☼	104	66 - 143		
Endosulfan sulfate	0.0077	U	0.153	0.181		mg/Kg	☼	118	66 - 143		
Endrin	0.0077	U	0.153	0.143		mg/Kg	☼	94	68 - 136		
Endrin	0.0077	U	0.153	0.168		mg/Kg	☼	110	68 - 136		
Endrin aldehyde	0.0077	U	0.153	0.156		mg/Kg	☼	102	68 - 132		
Endrin aldehyde	0.0077	U	0.153	0.196		mg/Kg	☼	128	68 - 132		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235302-A-1-D MS
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	0.0077	U	0.153	0.160		mg/Kg	☼	105	60 - 150
Endrin ketone	0.0077	U	0.153	0.178		mg/Kg	☼	116	60 - 150
gamma-BHC (Lindane)	0.0023	U	0.153	0.155		mg/Kg	☼	101	70 - 134
gamma-BHC (Lindane)	0.0023	U	0.153	0.178		mg/Kg	☼	117	70 - 134
Heptachlor	0.0077	U	0.153	0.146		mg/Kg	☼	96	69 - 134
Heptachlor	0.0077	U	0.153	0.171		mg/Kg	☼	112	69 - 134
Heptachlor epoxide	0.0077	U	0.153	0.154		mg/Kg	☼	101	70 - 135
Heptachlor epoxide	0.0077	U	0.153	0.179		mg/Kg	☼	117	70 - 135
Methoxychlor	0.0077	U	0.153	0.134		mg/Kg	☼	88	57 - 135
Methoxychlor	0.0077	U	0.153	0.143		mg/Kg	☼	93	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*10 - 150*
DCB Decachlorobiphenyl	*89*		*10 - 150*
Tetrachloro-m-xylene	*99*		*10 - 133*
Tetrachloro-m-xylene	*91*		*10 - 133*

Lab Sample ID: 460-235302-A-1-E MSD
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0077	U	0.153	0.138		mg/Kg	☼	91	70 - 140	5	30
4,4'-DDD	0.0077	U	0.153	0.178		mg/Kg	☼	117	70 - 140	6	30
4,4'-DDE	0.0077	U	0.153	0.153		mg/Kg	☼	100	71 - 137	5	30
4,4'-DDE	0.0077	U	0.153	0.163		mg/Kg	☼	107	71 - 137	6	30
4,4'-DDT	0.0077	U	0.153	0.127		mg/Kg	☼	83	63 - 131	5	30
4,4'-DDT	0.0077	U	0.153	0.152		mg/Kg	☼	99	63 - 131	7	30
Aldrin	0.0077	U	0.153	0.145		mg/Kg	☼	95	74 - 140	5	30
Aldrin	0.0077	U	0.153	0.170		mg/Kg	☼	111	74 - 140	5	30
alpha-BHC	0.0023	U	0.153	0.149		mg/Kg	☼	98	72 - 142	5	30
alpha-BHC	0.0023	U	0.153	0.167		mg/Kg	☼	110	72 - 142	5	30
beta-BHC	0.0023	U	0.153	0.165		mg/Kg	☼	108	65 - 137	3	30
beta-BHC	0.0023	U	0.153	0.177		mg/Kg	☼	116	65 - 137	5	30
delta-BHC	0.0023	U	0.153	0.149		mg/Kg	☼	98	70 - 143	5	30
delta-BHC	0.0023	U	0.153	0.169		mg/Kg	☼	111	70 - 143	5	30
Dieldrin	0.0023	U	0.153	0.142		mg/Kg	☼	93	70 - 135	5	30
Dieldrin	0.0023	U	0.153	0.174		mg/Kg	☼	114	70 - 135	5	30
Endosulfan I	0.0077	U	0.153	0.151		mg/Kg	☼	99	68 - 135	4	30
Endosulfan I	0.0077	U	0.153	0.175		mg/Kg	☼	115	68 - 135	5	30
Endosulfan II	0.0077	U	0.153	0.164		mg/Kg	☼	107	64 - 130	4	30
Endosulfan II	0.0077	U	0.153	0.184		mg/Kg	☼	120	64 - 130	5	30
Endosulfan sulfate	0.0077	U	0.153	0.149		mg/Kg	☼	98	66 - 143	6	30
Endosulfan sulfate	0.0077	U	0.153	0.171		mg/Kg	☼	112	66 - 143	5	30
Endrin	0.0077	U	0.153	0.136		mg/Kg	☼	89	68 - 136	5	30
Endrin	0.0077	U	0.153	0.157		mg/Kg	☼	103	68 - 136	7	30
Endrin aldehyde	0.0077	U	0.153	0.149		mg/Kg	☼	98	68 - 132	4	30
Endrin aldehyde	0.0077	U	0.153	0.185		mg/Kg	☼	121	68 - 132	6	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235302-A-1-E MSD
Matrix: Solid
Analysis Batch: 781398

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin ketone	0.0077	U	0.153	0.149		mg/Kg	☼	98	60 - 150	7	30
Endrin ketone	0.0077	U	0.153	0.170		mg/Kg	☼	111	60 - 150	4	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.148		mg/Kg	☼	97	70 - 134	5	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.169		mg/Kg	☼	111	70 - 134	5	30
Heptachlor	0.0077	U	0.153	0.138		mg/Kg	☼	90	69 - 134	5	30
Heptachlor	0.0077	U	0.153	0.161		mg/Kg	☼	106	69 - 134	6	30
Heptachlor epoxide	0.0077	U	0.153	0.147		mg/Kg	☼	96	70 - 135	5	30
Heptachlor epoxide	0.0077	U	0.153	0.170		mg/Kg	☼	111	70 - 135	5	30
Methoxychlor	0.0077	U	0.153	0.125		mg/Kg	☼	82	57 - 135	7	30
Methoxychlor	0.0077	U	0.153	0.132		mg/Kg	☼	86	57 - 135	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*101*		*10 - 133*
Tetrachloro-m-xylene	*94*		*10 - 133*

Lab Sample ID: MB 460-781130/1-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/28/21 23:42	06/01/21 05:36	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/28/21 23:42	06/01/21 05:36	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/28/21 23:42	06/01/21 05:36	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/28/21 23:42	06/01/21 05:36	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/28/21 23:42	06/01/21 05:36	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/28/21 23:42	06/01/21 05:36	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/28/21 23:42	06/01/21 05:36	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/28/21 23:42	06/01/21 05:36	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/28/21 23:42	06/01/21 05:36	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/28/21 23:42	06/01/21 05:36	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/28/21 23:42	06/01/21 05:36	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/28/21 23:42	06/01/21 05:36	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/28/21 23:42	06/01/21 05:36	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/28/21 23:42	06/01/21 05:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*05/28/21 23:42*	*06/01/21 05:36*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/28/21 23:42*	*06/01/21 05:36*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/28/21 23:42*	*06/01/21 05:36*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*05/28/21 23:42*	*06/01/21 05:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-781130/2-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781130

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000626		mg/L		78	64 - 130		
cis-Chlordane			0.000800	0.000717		mg/L		90	64 - 130		
trans-Chlordane			0.000800	0.000618		mg/L		77	65 - 132		
trans-Chlordane			0.000800	0.000735		mg/L		92	65 - 132		
Endrin			0.000800	0.000593		mg/L		74	67 - 132		
Endrin			0.000800	0.000699		mg/L		87	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000642		mg/L		80	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000732		mg/L		92	65 - 134		
Heptachlor			0.000800	0.000590		mg/L		74	63 - 128		
Heptachlor			0.000800	0.000705		mg/L		88	63 - 128		
Heptachlor epoxide			0.000800	0.000634		mg/L		79	66 - 128		
Heptachlor epoxide			0.000800	0.000731		mg/L		91	66 - 128		
Methoxychlor			0.000800	0.000587		mg/L		73	42 - 151		
Methoxychlor			0.000800	0.000591		mg/L		74	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 150*
DCB Decachlorobiphenyl	*72*		*10 - 150*
Tetrachloro-m-xylene	*73*		*10 - 150*
Tetrachloro-m-xylene	*73*		*10 - 150*

Lab Sample ID: LCSD 460-781130/3-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781130

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000650		mg/L		81	64 - 130	4	30
cis-Chlordane			0.000800	0.000727		mg/L		91	64 - 130	1	30
trans-Chlordane			0.000800	0.000642		mg/L		80	65 - 132	4	30
trans-Chlordane			0.000800	0.000745		mg/L		93	65 - 132	1	30
Endrin			0.000800	0.000631		mg/L		79	67 - 132	6	30
Endrin			0.000800	0.000710		mg/L		89	67 - 132	2	30
gamma-BHC (Lindane)			0.000800	0.000660		mg/L		82	65 - 134	3	30
gamma-BHC (Lindane)			0.000800	0.000752		mg/L		94	65 - 134	3	30
Heptachlor			0.000800	0.000611		mg/L		76	63 - 128	3	30
Heptachlor			0.000800	0.000724		mg/L		90	63 - 128	3	30
Heptachlor epoxide			0.000800	0.000651		mg/L		81	66 - 128	3	30
Heptachlor epoxide			0.000800	0.000743		mg/L		93	66 - 128	2	30
Methoxychlor			0.000800	0.000584		mg/L		73	42 - 151	1	30
Methoxychlor			0.000800	0.000596		mg/L		75	42 - 151	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*10 - 150*
DCB Decachlorobiphenyl	*75*		*10 - 150*
Tetrachloro-m-xylene	*76*		*10 - 150*
Tetrachloro-m-xylene	*76*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235398-J-1-A MS
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.00050	U	0.000800	0.000644		mg/L		81	64 - 130
cis-Chlordane	0.00050	U	0.000800	0.000749		mg/L		94	64 - 130
trans-Chlordane	0.00050	U	0.000800	0.000641		mg/L		80	65 - 132
trans-Chlordane	0.00050	U	0.000800	0.000769		mg/L		96	65 - 132
Endrin	0.00050	U	0.000800	0.000624		mg/L		78	67 - 132
Endrin	0.00050	U	0.000800	0.000747		mg/L		93	67 - 132
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000654		mg/L		82	65 - 134
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000781		mg/L		98	65 - 134
Heptachlor	0.00050	U	0.000800	0.000618		mg/L		77	63 - 128
Heptachlor	0.00050	U	0.000800	0.000743		mg/L		93	63 - 128
Heptachlor epoxide	0.00050	U	0.000800	0.000648		mg/L		81	66 - 128
Heptachlor epoxide	0.00050	U	0.000800	0.000761		mg/L		95	66 - 128
Methoxychlor	0.00050	U	0.000800	0.000609		mg/L		76	42 - 151
Methoxychlor	0.00050	U	0.000800	0.000649		mg/L		81	42 - 151

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*10 - 150*
DCB Decachlorobiphenyl	*75*		*10 - 150*
Tetrachloro-m-xylene	*71*		*10 - 150*
Tetrachloro-m-xylene	*73*		*10 - 150*

Lab Sample ID: 460-235398-J-1-B MSD
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane	0.00050	U	0.000800	0.000665		mg/L		83	64 - 130	3	30
cis-Chlordane	0.00050	U	0.000800	0.000756		mg/L		95	64 - 130	1	30
trans-Chlordane	0.00050	U	0.000800	0.000662		mg/L		83	65 - 132	3	30
trans-Chlordane	0.00050	U	0.000800	0.000774		mg/L		97	65 - 132	1	30
Endrin	0.00050	U	0.000800	0.000643		mg/L		80	67 - 132	3	30
Endrin	0.00050	U	0.000800	0.000752		mg/L		94	67 - 132	1	30
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000673		mg/L		84	65 - 134	3	30
gamma-BHC (Lindane)	0.00050	U	0.000800	0.000784		mg/L		98	65 - 134	0	30
Heptachlor	0.00050	U	0.000800	0.000622		mg/L		78	63 - 128	1	30
Heptachlor	0.00050	U	0.000800	0.000743		mg/L		93	63 - 128	0	30
Heptachlor epoxide	0.00050	U	0.000800	0.000659		mg/L		82	66 - 128	2	30
Heptachlor epoxide	0.00050	U	0.000800	0.000767		mg/L		96	66 - 128	1	30
Methoxychlor	0.00050	U	0.000800	0.000619		mg/L		77	42 - 151	2	30
Methoxychlor	0.00050	U	0.000800	0.000632		mg/L		79	42 - 151	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*10 - 150*
DCB Decachlorobiphenyl	*72*		*10 - 150*
Tetrachloro-m-xylene	*71*		*10 - 150*
Tetrachloro-m-xylene	*73*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-781345/1-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/30/21 15:52	06/01/21 11:44	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		05/30/21 15:52	06/01/21 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/30/21 15:52*	*06/01/21 11:44*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*05/30/21 15:52*	*06/01/21 11:44*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*05/30/21 15:52*	*06/01/21 11:44*	*1*
Tetrachloro-m-xylene	*94*		*10 - 133*	*05/30/21 15:52*	*06/01/21 11:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-781345/2-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.133	0.110		mg/Kg		82	70 - 140		
4,4'-DDD			0.133	0.123		mg/Kg		92	70 - 140		
4,4'-DDE			0.133	0.116		mg/Kg		87	71 - 137		
4,4'-DDE			0.133	0.121		mg/Kg		90	71 - 137		
4,4'-DDT			0.133	0.0989		mg/Kg		74	63 - 131		
4,4'-DDT			0.133	0.106		mg/Kg		80	63 - 131		
Aldrin			0.133	0.110		mg/Kg		83	74 - 140		
Aldrin			0.133	0.129		mg/Kg		97	74 - 140		
alpha-BHC			0.133	0.113		mg/Kg		85	72 - 142		
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 142		
beta-BHC			0.133	0.129		mg/Kg		97	65 - 137		
beta-BHC			0.133	0.136		mg/Kg		102	65 - 137		
delta-BHC			0.133	0.114		mg/Kg		86	70 - 143		
delta-BHC			0.133	0.128		mg/Kg		96	70 - 143		
Dieldrin			0.133	0.109		mg/Kg		82	70 - 135		
Dieldrin			0.133	0.128		mg/Kg		96	70 - 135		
Endosulfan I			0.133	0.117		mg/Kg		87	68 - 135		
Endosulfan I			0.133	0.137		mg/Kg		103	68 - 135		
Endosulfan II			0.133	0.126		mg/Kg		95	64 - 130		
Endosulfan II			0.133	0.133		mg/Kg		100	64 - 130		
Endosulfan sulfate			0.133	0.112		mg/Kg		84	66 - 143		
Endosulfan sulfate			0.133	0.120		mg/Kg		90	66 - 143		
Endrin			0.133	0.104		mg/Kg		78	68 - 136		
Endrin			0.133	0.115		mg/Kg		86	68 - 136		
Endrin aldehyde			0.133	0.113		mg/Kg		85	68 - 132		
Endrin aldehyde			0.133	0.127		mg/Kg		95	68 - 132		
Endrin ketone			0.133	0.117		mg/Kg		88	60 - 150		
Endrin ketone			0.133	0.119		mg/Kg		89	60 - 150		
gamma-BHC (Lindane)			0.133	0.114		mg/Kg		85	70 - 134		
gamma-BHC (Lindane)			0.133	0.128		mg/Kg		96	70 - 134		
Heptachlor			0.133	0.107		mg/Kg		80	69 - 134		
Heptachlor			0.133	0.123		mg/Kg		92	69 - 134		
Heptachlor epoxide			0.133	0.113		mg/Kg		85	70 - 135		
Heptachlor epoxide			0.133	0.128		mg/Kg		96	70 - 135		
Methoxychlor			0.133	0.0997		mg/Kg		75	57 - 135		
Methoxychlor			0.133	0.0826		mg/Kg		62	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*10 - 150*
DCB Decachlorobiphenyl	*80*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 133*
Tetrachloro-m-xylene	*75*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-781345/3-A
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781345

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.103		mg/Kg		77	70 - 140	7	30
4,4'-DDD			0.133	0.126		mg/Kg		95	70 - 140	3	30
4,4'-DDE			0.133	0.107		mg/Kg		81	71 - 137	8	30
4,4'-DDE			0.133	0.120		mg/Kg		90	71 - 137	0	30
4,4'-DDT			0.133	0.0939		mg/Kg		70	63 - 131	5	30
4,4'-DDT			0.133	0.110		mg/Kg		83	63 - 131	4	30
Aldrin			0.133	0.103		mg/Kg		77	74 - 140	7	30
Aldrin			0.133	0.127		mg/Kg		95	74 - 140	2	30
alpha-BHC			0.133	0.108		mg/Kg		81	72 - 142	4	30
alpha-BHC			0.133	0.125		mg/Kg		94	72 - 142	1	30
beta-BHC			0.133	0.117		mg/Kg		88	65 - 137	10	30
beta-BHC			0.133	0.133		mg/Kg		100	65 - 137	2	30
delta-BHC			0.133	0.106		mg/Kg		80	70 - 143	7	30
delta-BHC			0.133	0.125		mg/Kg		94	70 - 143	2	30
Dieldrin			0.133	0.102		mg/Kg		76	70 - 135	7	30
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135	3	30
Endosulfan I			0.133	0.107		mg/Kg		80	68 - 135	8	30
Endosulfan I			0.133	0.139		mg/Kg		104	68 - 135	1	30
Endosulfan II			0.133	0.120		mg/Kg		90	64 - 130	5	30
Endosulfan II			0.133	0.138		mg/Kg		103	64 - 130	4	30
Endosulfan sulfate			0.133	0.105		mg/Kg		78	66 - 143	7	30
Endosulfan sulfate			0.133	0.126		mg/Kg		94	66 - 143	5	30
Endrin			0.133	0.0971		mg/Kg		73	68 - 136	7	30
Endrin			0.133	0.117		mg/Kg		88	68 - 136	2	30
Endrin aldehyde			0.133	0.109		mg/Kg		82	68 - 132	4	30
Endrin aldehyde			0.133	0.131		mg/Kg		99	68 - 132	4	30
Endrin ketone			0.133	0.111		mg/Kg		83	60 - 150	6	30
Endrin ketone			0.133	0.126		mg/Kg		95	60 - 150	6	30
gamma-BHC (Lindane)			0.133	0.107		mg/Kg		80	70 - 134	6	30
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		95	70 - 134	2	30
Heptachlor			0.133	0.0999		mg/Kg		75	69 - 134	7	30
Heptachlor			0.133	0.120		mg/Kg		90	69 - 134	2	30
Heptachlor epoxide			0.133	0.105		mg/Kg		79	70 - 135	8	30
Heptachlor epoxide			0.133	0.128		mg/Kg		96	70 - 135	0	30
Methoxychlor			0.133	0.0936		mg/Kg		70	57 - 135	6	30
Methoxychlor			0.133	0.0857		mg/Kg		64	57 - 135	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*10 - 150*
DCB Decachlorobiphenyl	*80*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*74*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235430-F-3-E MS
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0080	U	0.159	0.147		mg/Kg	☼	93	70 - 140
4,4'-DDD	0.0080	U	0.159	0.183		mg/Kg	☼	115	70 - 140
4,4'-DDE	0.0080	U	0.159	0.153		mg/Kg	☼	96	71 - 137
4,4'-DDE	0.0080	U	0.159	0.171		mg/Kg	☼	108	71 - 137
4,4'-DDT	0.0080	U	0.159	0.137		mg/Kg	☼	86	63 - 131
4,4'-DDT	0.0080	U	0.159	0.157		mg/Kg	☼	99	63 - 131
Aldrin	0.0080	U	0.159	0.143		mg/Kg	☼	90	74 - 140
Aldrin	0.0080	U	0.159	0.170		mg/Kg	☼	107	74 - 140
alpha-BHC	0.0024	U	0.159	0.146		mg/Kg	☼	92	72 - 142
alpha-BHC	0.0024	U	0.159	0.167		mg/Kg	☼	105	72 - 142
beta-BHC	0.0024	U	0.159	0.166		mg/Kg	☼	104	65 - 137
beta-BHC	0.0024	U	0.159	0.181		mg/Kg	☼	114	65 - 137
delta-BHC	0.0024	U	0.159	0.149		mg/Kg	☼	94	70 - 143
delta-BHC	0.0024	U	0.159	0.172		mg/Kg	☼	108	70 - 143
Dieldrin	0.0024	U	0.159	0.146		mg/Kg	☼	92	70 - 135
Dieldrin	0.0024	U	0.159	0.178		mg/Kg	☼	112	70 - 135
Endosulfan I	0.0080	U	0.159	0.152		mg/Kg	☼	96	68 - 135
Endosulfan I	0.0080	U	0.159	0.177		mg/Kg	☼	111	68 - 135
Endosulfan II	0.0080	U	0.159	0.166		mg/Kg	☼	105	64 - 130
Endosulfan II	0.0080	U	0.159	0.184		mg/Kg	☼	116	64 - 130
Endosulfan sulfate	0.0080	U	0.159	0.138		mg/Kg	☼	87	66 - 143
Endosulfan sulfate	0.0080	U	0.159	0.153		mg/Kg	☼	96	66 - 143
Endrin	0.0080	U	0.159	0.141		mg/Kg	☼	89	68 - 136
Endrin	0.0080	U	0.159	0.165		mg/Kg	☼	104	68 - 136
Endrin aldehyde	0.0080	U	0.159	0.127		mg/Kg	☼	80	68 - 132
Endrin aldehyde	0.0080	U	0.159	0.145		mg/Kg	☼	91	68 - 132
Endrin ketone	0.0080	U	0.159	0.153		mg/Kg	☼	96	60 - 150
Endrin ketone	0.0080	U	0.159	0.157		mg/Kg	☼	99	60 - 150
gamma-BHC (Lindane)	0.0024	U	0.159	0.147		mg/Kg	☼	93	70 - 134
gamma-BHC (Lindane)	0.0024	U	0.159	0.169		mg/Kg	☼	107	70 - 134
Heptachlor	0.0080	U	0.159	0.136		mg/Kg	☼	86	69 - 134
Heptachlor	0.0080	U	0.159	0.163		mg/Kg	☼	102	69 - 134
Heptachlor epoxide	0.0080	U	0.159	0.149		mg/Kg	☼	94	70 - 135
Heptachlor epoxide	0.0080	U	0.159	0.172		mg/Kg	☼	108	70 - 135
Methoxychlor	0.0080	U	0.159	0.136		mg/Kg	☼	85	57 - 135
Methoxychlor	0.0080	U	0.159	0.129		mg/Kg	☼	81	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*85*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 133*
Tetrachloro-m-xylene	*75*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235430-F-3-F MSD
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0080	U	0.159	0.142		mg/Kg	☼	89	70 - 140	3	30
4,4'-DDD	0.0080	U	0.159	0.186		mg/Kg	☼	117	70 - 140	1	30
4,4'-DDE	0.0080	U	0.159	0.148		mg/Kg	☼	93	71 - 137	4	30
4,4'-DDE	0.0080	U	0.159	0.171		mg/Kg	☼	108	71 - 137	0	30
4,4'-DDT	0.0080	U	0.159	0.131		mg/Kg	☼	82	63 - 131	4	30
4,4'-DDT	0.0080	U	0.159	0.159		mg/Kg	☼	100	63 - 131	1	30
Aldrin	0.0080	U	0.159	0.142		mg/Kg	☼	90	74 - 140	0	30
Aldrin	0.0080	U	0.159	0.172		mg/Kg	☼	108	74 - 140	1	30
alpha-BHC	0.0024	U	0.159	0.150		mg/Kg	☼	94	72 - 142	3	30
alpha-BHC	0.0024	U	0.159	0.172		mg/Kg	☼	108	72 - 142	3	30
beta-BHC	0.0024	U	0.159	0.164		mg/Kg	☼	103	65 - 137	1	30
beta-BHC	0.0024	U	0.159	0.183		mg/Kg	☼	115	65 - 137	1	30
delta-BHC	0.0024	U	0.159	0.148		mg/Kg	☼	93	70 - 143	1	30
delta-BHC	0.0024	U	0.159	0.173		mg/Kg	☼	109	70 - 143	1	30
Dieldrin	0.0024	U	0.159	0.143		mg/Kg	☼	90	70 - 135	2	30
Dieldrin	0.0024	U	0.159	0.179		mg/Kg	☼	113	70 - 135	1	30
Endosulfan I	0.0080	U	0.159	0.146		mg/Kg	☼	92	68 - 135	4	30
Endosulfan I	0.0080	U	0.159	0.177		mg/Kg	☼	111	68 - 135	0	30
Endosulfan II	0.0080	U	0.159	0.164		mg/Kg	☼	103	64 - 130	1	30
Endosulfan II	0.0080	U	0.159	0.185		mg/Kg	☼	117	64 - 130	1	30
Endosulfan sulfate	0.0080	U	0.159	0.132		mg/Kg	☼	83	66 - 143	5	30
Endosulfan sulfate	0.0080	U	0.159	0.158		mg/Kg	☼	99	66 - 143	3	30
Endrin	0.0080	U	0.159	0.136		mg/Kg	☼	86	68 - 136	3	30
Endrin	0.0080	U	0.159	0.168		mg/Kg	☼	105	68 - 136	1	30
Endrin aldehyde	0.0080	U	0.159	0.122		mg/Kg	☼	76	68 - 132	4	30
Endrin aldehyde	0.0080	U	0.159	0.146		mg/Kg	☼	92	68 - 132	1	30
Endrin ketone	0.0080	U	0.159	0.144		mg/Kg	☼	90	60 - 150	6	30
Endrin ketone	0.0080	U	0.159	0.163		mg/Kg	☼	102	60 - 150	4	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.150		mg/Kg	☼	94	70 - 134	2	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.173		mg/Kg	☼	109	70 - 134	2	30
Heptachlor	0.0080	U	0.159	0.135		mg/Kg	☼	85	69 - 134	1	30
Heptachlor	0.0080	U	0.159	0.165		mg/Kg	☼	104	69 - 134	2	30
Heptachlor epoxide	0.0080	U	0.159	0.142		mg/Kg	☼	89	70 - 135	5	30
Heptachlor epoxide	0.0080	U	0.159	0.173		mg/Kg	☼	109	70 - 135	0	30
Methoxychlor	0.0080	U	0.159	0.125		mg/Kg	☼	79	57 - 135	8	30
Methoxychlor	0.0080	U	0.159	0.133		mg/Kg	☼	84	57 - 135	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*10 - 150*
DCB Decachlorobiphenyl	*86*		*10 - 150*
Tetrachloro-m-xylene	*90*		*10 - 133*
Tetrachloro-m-xylene	*83*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-781807/1-A
Matrix: Solid
Analysis Batch: 781928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/02/21 13:35	06/03/21 04:56	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/02/21 13:35	06/03/21 04:56	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 04:56	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 04:56	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/02/21 13:35	06/03/21 04:56	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/02/21 13:35	06/03/21 04:56	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/02/21 13:35	06/03/21 04:56	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/02/21 13:35	06/03/21 04:56	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/02/21 13:35	06/03/21 04:56	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/02/21 13:35	06/03/21 04:56	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 04:56	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 04:56	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/02/21 13:35	06/03/21 04:56	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/02/21 13:35	06/03/21 04:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*06/02/21 13:35*	*06/03/21 04:56*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*06/02/21 13:35*	*06/03/21 04:56*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*06/02/21 13:35*	*06/03/21 04:56*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*06/02/21 13:35*	*06/03/21 04:56*	*1*

Lab Sample ID: LCS 460-781807/2-A
Matrix: Solid
Analysis Batch: 781928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000831		mg/L		104	64 - 130
cis-Chlordane	0.000800	0.000722		mg/L		90	64 - 130
trans-Chlordane	0.000800	0.000838		mg/L		105	65 - 132
trans-Chlordane	0.000800	0.000722		mg/L		90	65 - 132
Endrin	0.000800	0.000821		mg/L		103	67 - 132
Endrin	0.000800	0.000759		mg/L		95	67 - 132
gamma-BHC (Lindane)	0.000800	0.000834		mg/L		104	65 - 134
gamma-BHC (Lindane)	0.000800	0.000755		mg/L		94	65 - 134
Heptachlor	0.000800	0.000803		mg/L		100	63 - 128
Heptachlor	0.000800	0.000722		mg/L		90	63 - 128
Heptachlor epoxide	0.000800	0.000833		mg/L		104	66 - 128
Heptachlor epoxide	0.000800	0.000726		mg/L		91	66 - 128
Methoxychlor	0.000800	0.000636		mg/L		80	42 - 151
Methoxychlor	0.000800	0.000608		mg/L		76	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 150*
DCB Decachlorobiphenyl	*76*		*10 - 150*
Tetrachloro-m-xylene	*88*		*10 - 150*
Tetrachloro-m-xylene	*76*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-781807/3-A
Matrix: Solid
Analysis Batch: 781928

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000804		mg/L		100	64 - 130	3	30
cis-Chlordane			0.000800	0.000692		mg/L		86	64 - 130	4	30
trans-Chlordane			0.000800	0.000810		mg/L		101	65 - 132	3	30
trans-Chlordane			0.000800	0.000692		mg/L		87	65 - 132	4	30
Endrin			0.000800	0.000791		mg/L		99	67 - 132	4	30
Endrin			0.000800	0.000726		mg/L		91	67 - 132	4	30
gamma-BHC (Lindane)			0.000800	0.000811		mg/L		101	65 - 134	3	30
gamma-BHC (Lindane)			0.000800	0.000730		mg/L		91	65 - 134	3	30
Heptachlor			0.000800	0.000779		mg/L		97	63 - 128	3	30
Heptachlor			0.000800	0.000695		mg/L		87	63 - 128	4	30
Heptachlor epoxide			0.000800	0.000807		mg/L		101	66 - 128	3	30
Heptachlor epoxide			0.000800	0.000696		mg/L		87	66 - 128	4	30
Methoxychlor			0.000800	0.000610		mg/L		76	42 - 151	4	30
Methoxychlor			0.000800	0.000582		mg/L		73	42 - 151	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*74*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 150*
Tetrachloro-m-xylene	*75*		*10 - 150*

Lab Sample ID: MB 460-782009/1-A
Matrix: Solid
Analysis Batch: 782161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 05:41	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 05:41	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:41	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:41	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 05:41	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 05:41	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 05:41	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 05:41	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 05:41	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 05:41	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:41	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:41	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 05:41	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 05:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/03/21 10:13*	*06/04/21 05:41*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*06/03/21 10:13*	*06/04/21 05:41*	*1*
Tetrachloro-m-xylene	*89*		*10 - 150*	*06/03/21 10:13*	*06/04/21 05:41*	*1*
Tetrachloro-m-xylene	*78*		*10 - 150*	*06/03/21 10:13*	*06/04/21 05:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782009/2-A
Matrix: Solid
Analysis Batch: 782161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782009

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000823		mg/L		103	64 - 130		
cis-Chlordane			0.000800	0.000710		mg/L		89	64 - 130		
trans-Chlordane			0.000800	0.000823		mg/L		103	65 - 132		
trans-Chlordane			0.000800	0.000711		mg/L		89	65 - 132		
Endrin			0.000800	0.000832		mg/L		104	67 - 132		
Endrin			0.000800	0.000757		mg/L		95	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000845		mg/L		106	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000753		mg/L		94	65 - 134		
Heptachlor			0.000800	0.000816		mg/L		102	63 - 128		
Heptachlor			0.000800	0.000729		mg/L		91	63 - 128		
Heptachlor epoxide			0.000800	0.000824		mg/L		103	66 - 128		
Heptachlor epoxide			0.000800	0.000717		mg/L		90	66 - 128		
Methoxychlor			0.000800	0.000668		mg/L		83	42 - 151		
Methoxychlor			0.000800	0.000639		mg/L		80	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 150*
DCB Decachlorobiphenyl	*68*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 150*
Tetrachloro-m-xylene	*74*		*10 - 150*

Lab Sample ID: LCSD 460-782009/3-A
Matrix: Solid
Analysis Batch: 782161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782009

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000808		mg/L		101	64 - 130	2	30
cis-Chlordane			0.000800	0.000690		mg/L		86	64 - 130	3	30
trans-Chlordane			0.000800	0.000808		mg/L		101	65 - 132	2	30
trans-Chlordane			0.000800	0.000688		mg/L		86	65 - 132	3	30
Endrin			0.000800	0.000814		mg/L		102	67 - 132	2	30
Endrin			0.000800	0.000732		mg/L		92	67 - 132	3	30
gamma-BHC (Lindane)			0.000800	0.000826		mg/L		103	65 - 134	2	30
gamma-BHC (Lindane)			0.000800	0.000732		mg/L		91	65 - 134	3	30
Heptachlor			0.000800	0.000799		mg/L		100	63 - 128	2	30
Heptachlor			0.000800	0.000706		mg/L		88	63 - 128	3	30
Heptachlor epoxide			0.000800	0.000809		mg/L		101	66 - 128	2	30
Heptachlor epoxide			0.000800	0.000694		mg/L		87	66 - 128	3	30
Methoxychlor			0.000800	0.000646		mg/L		81	42 - 151	3	30
Methoxychlor			0.000800	0.000618		mg/L		77	42 - 151	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*67*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 150*
Tetrachloro-m-xylene	*74*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-780555/1-G
Matrix: Solid
Analysis Batch: 780809

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780844

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/27/21 22:36	05/28/21 09:52	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:52	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/27/21 22:36	05/28/21 09:52	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/27/21 22:36	05/28/21 09:52	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/27/21 22:36	05/28/21 09:52	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/27/21 22:36	05/28/21 09:52	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/27/21 22:36	05/28/21 09:52	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:52*	*1*
DCB Decachlorobiphenyl	*91*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:52*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:52*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*05/27/21 22:36*	*05/28/21 09:52*	*1*

Lab Sample ID: LB 460-781094/1-D
Matrix: Solid
Analysis Batch: 781428

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781130

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		05/29/21 16:12	06/01/21 05:52	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 05:52	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		05/29/21 16:12	06/01/21 05:52	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		05/29/21 16:12	06/01/21 05:52	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		05/29/21 16:12	06/01/21 05:52	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		05/29/21 16:12	06/01/21 05:52	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		05/29/21 16:12	06/01/21 05:52	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*05/29/21 16:12*	*06/01/21 05:52*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*05/29/21 16:12*	*06/01/21 05:52*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*05/29/21 16:12*	*06/01/21 05:52*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*05/29/21 16:12*	*06/01/21 05:52*	*1*

Lab Sample ID: LB 460-781595/1-C
Matrix: Solid
Analysis Batch: 781928

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781807

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/02/21 13:35	06/03/21 05:26	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 05:26	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/02/21 13:35	06/03/21 05:26	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/02/21 13:35	06/03/21 05:26	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/02/21 13:35	06/03/21 05:26	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/02/21 13:35	06/03/21 05:26	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/02/21 13:35	06/03/21 05:26	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-781595/1-C
Matrix: Solid
Analysis Batch: 781928

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781807

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		10 - 150	06/02/21 13:35	06/03/21 05:26	1
DCB Decachlorobiphenyl	92		10 - 150	06/02/21 13:35	06/03/21 05:26	1
Tetrachloro-m-xylene	105		10 - 150	06/02/21 13:35	06/03/21 05:26	1
Tetrachloro-m-xylene	91		10 - 150	06/02/21 13:35	06/03/21 05:26	1

Lab Sample ID: LB 460-781898/1-C
Matrix: Solid
Analysis Batch: 782161

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782009

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/03/21 10:13	06/04/21 05:55	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:55	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/03/21 10:13	06/04/21 05:55	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/03/21 10:13	06/04/21 05:55	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/03/21 10:13	06/04/21 05:55	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/03/21 10:13	06/04/21 05:55	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/03/21 10:13	06/04/21 05:55	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		10 - 150	06/03/21 10:13	06/04/21 05:55	1
DCB Decachlorobiphenyl	80		10 - 150	06/03/21 10:13	06/04/21 05:55	1
Tetrachloro-m-xylene	75		10 - 150	06/03/21 10:13	06/04/21 05:55	1
Tetrachloro-m-xylene	68		10 - 150	06/03/21 10:13	06/04/21 05:55	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-780237/1-A
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-780237/1-A
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/25/21 18:02	05/26/21 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*05/25/21 18:02*	*05/26/21 09:20*	*1*
DCB Decachlorobiphenyl	*115*		*37 - 150*	*05/25/21 18:02*	*05/26/21 09:20*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*05/25/21 18:02*	*05/26/21 09:20*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*05/25/21 18:02*	*05/26/21 09:20*	*1*

Lab Sample ID: LCS 460-780237/2-A
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.340		mg/Kg		102	65 - 133		
Aroclor 1016			0.333	0.363		mg/Kg		109	65 - 133		
Aroclor 1260			0.333	0.368		mg/Kg		110	71 - 150		
Aroclor 1260			0.333	0.379		mg/Kg		114	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*37 - 150*
DCB Decachlorobiphenyl	*98*		*37 - 150*
Tetrachloro-m-xylene	*95*		*54 - 150*
Tetrachloro-m-xylene	*97*		*54 - 150*

Lab Sample ID: LCSD 460-780237/3-A
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.336		mg/Kg		101	65 - 133	1	30
Aroclor 1016			0.333	0.350		mg/Kg		105	65 - 133	3	30
Aroclor 1260			0.333	0.373		mg/Kg		112	71 - 150	1	30
Aroclor 1260			0.333	0.380		mg/Kg		114	71 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*37 - 150*
DCB Decachlorobiphenyl	*100*		*37 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*
Tetrachloro-m-xylene	*97*		*54 - 150*

Lab Sample ID: 460-234858-A-2-B MS
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.079	U	0.393	0.417		mg/Kg	☼	106	65 - 133		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-234858-A-2-B MS
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.079	U	0.393	0.416		mg/Kg	☼	106	65 - 133
Aroclor 1260	0.079	U	0.393	0.463		mg/Kg	☼	118	71 - 150
Aroclor 1260	0.079	U	0.393	0.444		mg/Kg	☼	113	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*37 - 150*
DCB Decachlorobiphenyl	*94*		*37 - 150*
Tetrachloro-m-xylene	*93*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: 460-234858-A-2-C MSD
Matrix: Solid
Analysis Batch: 780383

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.079	U	0.393	0.393		mg/Kg	☼	100	65 - 133	6	30
Aroclor 1016	0.079	U	0.393	0.403		mg/Kg	☼	103	65 - 133	3	30
Aroclor 1260	0.079	U	0.393	0.430		mg/Kg	☼	110	71 - 150	7	30
Aroclor 1260	0.079	U	0.393	0.431		mg/Kg	☼	110	71 - 150	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*37 - 150*
DCB Decachlorobiphenyl	*93*		*37 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: MB 460-781077/1-A
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-781077/1-A
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:12	05/31/21 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*37 - 150*	*05/28/21 18:12*	*05/31/21 09:20*	*1*
DCB Decachlorobiphenyl	*121*		*37 - 150*	*05/28/21 18:12*	*05/31/21 09:20*	*1*
Tetrachloro-m-xylene	*119*		*54 - 150*	*05/28/21 18:12*	*05/31/21 09:20*	*1*
Tetrachloro-m-xylene	*120*		*54 - 150*	*05/28/21 18:12*	*05/31/21 09:20*	*1*

Lab Sample ID: LCS 460-781077/2-A
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.341		mg/Kg		102	65 - 133
Aroclor 1016	0.333	0.345		mg/Kg		103	65 - 133
Aroclor 1260	0.333	0.362		mg/Kg		109	71 - 150
Aroclor 1260	0.333	0.353		mg/Kg		106	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*37 - 150*
DCB Decachlorobiphenyl	*92*		*37 - 150*
Tetrachloro-m-xylene	*90*		*54 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*

Lab Sample ID: LCSD 460-781077/3-A
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781077

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.350		mg/Kg		105	65 - 133	3	30
Aroclor 1016	0.333	0.355		mg/Kg		106	65 - 133	3	30
Aroclor 1260	0.333	0.372		mg/Kg		112	71 - 150	3	30
Aroclor 1260	0.333	0.369		mg/Kg		111	71 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*37 - 150*
DCB Decachlorobiphenyl	*97*		*37 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*
Tetrachloro-m-xylene	*95*		*54 - 150*

Lab Sample ID: 460-235271-1 MS
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.071	U	0.352	0.400		mg/Kg	☼	114	65 - 133

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-235271-1 MS
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.071	U	0.352	0.453		mg/Kg	☼	129	65 - 133
Aroclor 1260	0.071	U	0.352	0.462		mg/Kg	☼	131	71 - 150
Aroclor 1260	0.071	U	0.352	0.471		mg/Kg	☼	134	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*37 - 150*
DCB Decachlorobiphenyl	*116*		*37 - 150*
Tetrachloro-m-xylene	*110*		*54 - 150*
Tetrachloro-m-xylene	*111*		*54 - 150*

Lab Sample ID: 460-235271-1 MSD
Matrix: Solid
Analysis Batch: 781028

Client Sample ID: WCR-5 (0-8)
Prep Type: Total/NA
Prep Batch: 781077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.071	U	0.352	0.433		mg/Kg	☼	123	65 - 133	5	30
Aroclor 1016	0.071	U	0.352	0.422		mg/Kg	☼	120	65 - 133	5	30
Aroclor 1260	0.071	U	0.352	0.461		mg/Kg	☼	131	71 - 150	0	30
Aroclor 1260	0.071	U	0.352	0.467		mg/Kg	☼	133	71 - 150	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*37 - 150*
DCB Decachlorobiphenyl	*116*		*37 - 150*
Tetrachloro-m-xylene	*111*		*54 - 150*
Tetrachloro-m-xylene	*114*		*54 - 150*

Lab Sample ID: MB 460-781078/1-A
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-781078/1-A
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/28/21 18:14	05/31/21 09:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*05/28/21 18:14*	*05/31/21 09:24*	*1*
DCB Decachlorobiphenyl	*108*		*37 - 150*	*05/28/21 18:14*	*05/31/21 09:24*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*05/28/21 18:14*	*05/31/21 09:24*	*1*
Tetrachloro-m-xylene	*107*		*54 - 150*	*05/28/21 18:14*	*05/31/21 09:24*	*1*

Lab Sample ID: LCS 460-781078/2-A
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781078

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.323		mg/Kg		97	65 - 133		
Aroclor 1016			0.333	0.343		mg/Kg		103	65 - 133		
Aroclor 1260			0.333	0.359		mg/Kg		108	71 - 150		
Aroclor 1260			0.333	0.359		mg/Kg		108	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*37 - 150*
DCB Decachlorobiphenyl	*92*		*37 - 150*
Tetrachloro-m-xylene	*86*		*54 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*

Lab Sample ID: LCSD 460-781078/3-A
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781078

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.335		mg/Kg		101	65 - 133	4	30
Aroclor 1016			0.333	0.357		mg/Kg		107	65 - 133	4	30
Aroclor 1260			0.333	0.354		mg/Kg		106	71 - 150	1	30
Aroclor 1260			0.333	0.377		mg/Kg		113	71 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*37 - 150*
DCB Decachlorobiphenyl	*95*		*37 - 150*
Tetrachloro-m-xylene	*90*		*54 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*

Lab Sample ID: 460-235302-A-1-A MS
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.077	U	0.382	0.395		mg/Kg	☼	103	65 - 133		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-235302-A-1-A MS
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.077	U	0.382	0.430		mg/Kg	☼	113	65 - 133
Aroclor 1260	0.077	U	0.382	0.430		mg/Kg	☼	113	71 - 150
Aroclor 1260	0.077	U	0.382	0.430		mg/Kg	☼	113	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*37 - 150*
DCB Decachlorobiphenyl	*103*		*37 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*
Tetrachloro-m-xylene	*109*		*54 - 150*

Lab Sample ID: 460-235302-A-1-B MSD
Matrix: Solid
Analysis Batch: 781029

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.077	U	0.382	0.441		mg/Kg	☼	115	65 - 133	11	30
Aroclor 1016	0.077	U	0.382	0.475		mg/Kg	☼	124	65 - 133	10	30
Aroclor 1260	0.077	U	0.382	0.482		mg/Kg	☼	126	71 - 150	11	30
Aroclor 1260	0.077	U	0.382	0.492		mg/Kg	☼	129	71 - 150	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*37 - 150*
DCB Decachlorobiphenyl	*111*		*37 - 150*
Tetrachloro-m-xylene	*107*		*54 - 150*
Tetrachloro-m-xylene	*118*		*54 - 150*

Lab Sample ID: MB 460-781344/1-A
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781344

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-781344/1-A
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781344

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		05/30/21 15:48	06/01/21 08:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*37 - 150*	*05/30/21 15:48*	*06/01/21 08:52*	*1*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*05/30/21 15:48*	*06/01/21 08:52*	*1*
Tetrachloro-m-xylene	*93*		*54 - 150*	*05/30/21 15:48*	*06/01/21 08:52*	*1*
Tetrachloro-m-xylene	*93*		*54 - 150*	*05/30/21 15:48*	*06/01/21 08:52*	*1*

Lab Sample ID: LCS 460-781344/2-A
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.296		mg/Kg		89	65 - 133
Aroclor 1016	0.333	0.302		mg/Kg		91	65 - 133
Aroclor 1260	0.333	0.318		mg/Kg		95	71 - 150
Aroclor 1260	0.333	0.308		mg/Kg		93	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*37 - 150*
DCB Decachlorobiphenyl	*76*		*37 - 150*
Tetrachloro-m-xylene	*79*		*54 - 150*
Tetrachloro-m-xylene	*77*		*54 - 150*

Lab Sample ID: LCSD 460-781344/3-A
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781344

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.303		mg/Kg		91	65 - 133	2	30
Aroclor 1016	0.333	0.305		mg/Kg		91	65 - 133	1	30
Aroclor 1260	0.333	0.323		mg/Kg		97	71 - 150	2	30
Aroclor 1260	0.333	0.312		mg/Kg		94	71 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*37 - 150*
DCB Decachlorobiphenyl	*78*		*37 - 150*
Tetrachloro-m-xylene	*81*		*54 - 150*
Tetrachloro-m-xylene	*80*		*54 - 150*

Lab Sample ID: 460-235430-F-3-B MS
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781344

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.080	U	0.398	0.331		mg/Kg	☼	83	65 - 133

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-235430-F-3-B MS
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781344

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.080	U	0.398	0.428		mg/Kg	☼	108	65 - 133
Aroclor 1260	0.080	U	0.398	0.344		mg/Kg	☼	87	71 - 150
Aroclor 1260	0.080	U	0.398	0.454		mg/Kg	☼	114	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*37 - 150*
DCB Decachlorobiphenyl	*86*		*37 - 150*
Tetrachloro-m-xylene	*62*		*54 - 150*
Tetrachloro-m-xylene	*78*		*54 - 150*

Lab Sample ID: 460-235430-F-3-C MSD
Matrix: Solid
Analysis Batch: 781469

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781344

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.080	U	0.398	0.364		mg/Kg	☼	91	65 - 133	9	30
Aroclor 1016	0.080	U	0.398	0.393		mg/Kg	☼	99	65 - 133	8	30
Aroclor 1260	0.080	U	0.398	0.389		mg/Kg	☼	98	71 - 150	12	30
Aroclor 1260	0.080	U	0.398	0.452		mg/Kg	☼	114	71 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*37 - 150*
DCB Decachlorobiphenyl	*91*		*37 - 150*
Tetrachloro-m-xylene	*74*		*54 - 150*
Tetrachloro-m-xylene	*84*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-780565/1-A
Matrix: Solid
Analysis Batch: 780624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/26/21 23:04	05/27/21 08:17	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/26/21 23:04	05/27/21 08:17	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/26/21 23:04	05/27/21 08:17	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/26/21 23:04	05/27/21 08:17	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/26/21 23:04	05/27/21 08:17	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/26/21 23:04	05/27/21 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*101*		*65 - 150*	*05/26/21 23:04*	*05/27/21 08:17*	*1*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*05/26/21 23:04*	*05/27/21 08:17*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-780565/2-A
Matrix: Solid
Analysis Batch: 780624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780565

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0699		mg/Kg		84	59 - 150		
2,4,5-T			0.0833	0.0668		mg/Kg		80	59 - 150		
2,4-D			0.333	0.272		mg/Kg		82	50 - 130		
2,4-D			0.333	0.271		mg/Kg		81	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0678		mg/Kg		81	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0683		mg/Kg		82	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*107*		*65 - 150*
2,4-Dichlorophenylacetic acid	*98*		*65 - 150*

Lab Sample ID: LCSD 460-780565/3-A
Matrix: Solid
Analysis Batch: 780624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780565

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0695		mg/Kg		83	59 - 150	4	30
2,4,5-T			0.0833	0.0703		mg/Kg		84	59 - 150	1	30
2,4-D			0.333	0.279		mg/Kg		84	50 - 130	3	30
2,4-D			0.333	0.286		mg/Kg		86	50 - 130	5	30
Silvex (2,4,5-TP)			0.0833	0.0751		mg/Kg		90	58 - 150	10	30
Silvex (2,4,5-TP)			0.0833	0.0716		mg/Kg		86	58 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*
2,4-Dichlorophenylacetic acid	*104*		*65 - 150*

Lab Sample ID: 460-235054-1 MS
Matrix: Solid
Analysis Batch: 780624

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	0.038	U	0.0941	0.0706		mg/Kg	☼	75	59 - 150		
2,4,5-T	0.038	U	0.0941	0.0707		mg/Kg	☼	75	59 - 150		
2,4-D	0.038	U	0.377	0.276		mg/Kg	☼	73	50 - 130		
2,4-D	0.038	U	0.377	0.311		mg/Kg	☼	83	50 - 130		
Silvex (2,4,5-TP)	0.038	U	0.0941	0.0730		mg/Kg	☼	78	58 - 150		
Silvex (2,4,5-TP)	0.038	U	0.0941	0.0743		mg/Kg	☼	79	58 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*
2,4-Dichlorophenylacetic acid	*91*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-235054-1 MSD
Matrix: Solid
Analysis Batch: 780624

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780565

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.038	U	0.0941	0.0710		mg/Kg	☼	75	59 - 150	1	30
2,4,5-T	0.038	U	0.0941	0.0711		mg/Kg	☼	75	59 - 150	1	30
2,4-D	0.038	U	0.377	0.250		mg/Kg	☼	67	50 - 130	10	30
2,4-D	0.038	U	0.377	0.319		mg/Kg	☼	85	50 - 130	3	30
Silvex (2,4,5-TP)	0.038	U	0.0941	0.0673		mg/Kg	☼	71	58 - 150	8	30
Silvex (2,4,5-TP)	0.038	U	0.0941	0.0756		mg/Kg	☼	80	58 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*92*		*65 - 150*
2,4-Dichlorophenylacetic acid	*93*		*65 - 150*

Lab Sample ID: MB 460-780850/1-A
Matrix: Solid
Analysis Batch: 780899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 08:38	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 08:38	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 08:38	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 08:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*28 - 150*	*05/27/21 23:26*	*05/28/21 08:38*	*1*
2,4-Dichlorophenylacetic acid	*70*		*28 - 150*	*05/27/21 23:26*	*05/28/21 08:38*	*1*

Lab Sample ID: LCS 460-780850/2-A
Matrix: Solid
Analysis Batch: 780899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780850

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0822	J	mg/L		123	36 - 139		
2,4-D			0.0667	0.0862		mg/L		129	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0200	J	mg/L		120	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0235	J	mg/L		141	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*93*		*28 - 150*
2,4-Dichlorophenylacetic acid	*99*		*28 - 150*

Lab Sample ID: LCSD 460-780850/3-A
Matrix: Solid
Analysis Batch: 780899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780850

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0800	J	mg/L		120	36 - 139	3	30
2,4-D			0.0667	0.0844		mg/L		127	36 - 139	2	30
Silvex (2,4,5-TP)			0.0167	0.0196	J	mg/L		118	42 - 150	2	30
Silvex (2,4,5-TP)			0.0167	0.0235	J	mg/L		141	42 - 150	0	30

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	92		28 - 150
2,4-Dichlorophenylacetic acid	95		28 - 150

Lab Sample ID: MB 460-780851/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 780898 — **Prep Batch: 780851**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/27/21 23:29	05/28/21 09:02	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/27/21 23:29	05/28/21 09:02	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/27/21 23:29	05/28/21 09:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		65 - 150	05/27/21 23:29	05/28/21 09:02	1
2,4-Dichlorophenylacetic acid	76		65 - 150	05/27/21 23:29	05/28/21 09:02	1

Lab Sample ID: LCS 460-780851/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 780898 — **Prep Batch: 780851**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0608		mg/Kg		73	59 - 150		
2,4,5-T			0.0833	0.0649		mg/Kg		78	59 - 150		
2,4-D			0.333	0.250		mg/Kg		75	50 - 130		
2,4-D			0.333	0.263		mg/Kg		79	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0662		mg/Kg		79	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0656		mg/Kg		79	58 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	97		65 - 150
2,4-Dichlorophenylacetic acid	92		65 - 150

Lab Sample ID: LCSD 460-780851/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 780898 — **Prep Batch: 780851**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0612		mg/Kg		73	59 - 150	1	30
2,4,5-T			0.0833	0.0666		mg/Kg		80	59 - 150	3	30
2,4-D			0.333	0.251		mg/Kg		75	50 - 130	0	30
2,4-D			0.333	0.267		mg/Kg		80	50 - 130	2	30
Silvex (2,4,5-TP)			0.0833	0.0663		mg/Kg		80	58 - 150	1	30
Silvex (2,4,5-TP)			0.0833	0.0669		mg/Kg		80	58 - 150	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		65 - 150
2,4-Dichlorophenylacetic acid	90		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-781125/1-A
Matrix: Solid
Analysis Batch: 781405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/28/21 23:55	05/31/21 08:29	1
2,4-D	0.083	U	0.083	0.0050	mg/L		05/28/21 23:55	05/31/21 08:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/28/21 23:55	05/31/21 08:29	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/28/21 23:55	05/31/21 08:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*28 - 150*	*05/28/21 23:55*	*05/31/21 08:29*	*1*
2,4-Dichlorophenylacetic acid	*71*		*28 - 150*	*05/28/21 23:55*	*05/31/21 08:29*	*1*

Lab Sample ID: LCS 460-781125/2-A
Matrix: Solid
Analysis Batch: 781405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781125

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0669	J	mg/L		100	36 - 139		
2,4-D			0.0667	0.0678	J	mg/L		102	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0178	J	mg/L		107	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0158	J	mg/L		95	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*

Lab Sample ID: LCSD 460-781125/3-A
Matrix: Solid
Analysis Batch: 781405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781125

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0678	J	mg/L		102	36 - 139	1	30
2,4-D			0.0667	0.0697	J	mg/L		105	36 - 139	3	30
Silvex (2,4,5-TP)			0.0167	0.0187	J	mg/L		112	42 - 150	5	30
Silvex (2,4,5-TP)			0.0167	0.0166	J	mg/L		100	42 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*82*		*28 - 150*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*

Lab Sample ID: MB 460-781126/1-A
Matrix: Solid
Analysis Batch: 781404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/28/21 23:57	05/31/21 08:56	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		05/28/21 23:57	05/31/21 08:56	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/28/21 23:57	05/31/21 08:56	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		05/28/21 23:57	05/31/21 08:56	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/28/21 23:57	05/31/21 08:56	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		05/28/21 23:57	05/31/21 08:56	1

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	110		65 - 150	05/28/21 23:57	05/31/21 08:56	1
2,4-Dichlorophenylacetic acid	104		65 - 150	05/28/21 23:57	05/31/21 08:56	1

Lab Sample ID: LCS 460-781126/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781404 — **Prep Batch: 781126**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0898		mg/Kg		108	59 - 150		
2,4,5-T			0.0833	0.0967		mg/Kg		116	59 - 150		
2,4-D			0.333	0.383		mg/Kg		115	50 - 130		
2,4-D			0.333	0.388		mg/Kg		116	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0893		mg/Kg		107	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.104		mg/Kg		124	58 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	110		65 - 150
2,4-Dichlorophenylacetic acid	117		65 - 150

Lab Sample ID: LCSD 460-781126/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781404 — **Prep Batch: 781126**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0867		mg/Kg		104	59 - 150	3	30
2,4,5-T			0.0833	0.0946		mg/Kg		113	59 - 150	2	30
2,4-D			0.333	0.379		mg/Kg		114	50 - 130	1	30
2,4-D			0.333	0.380		mg/Kg		114	50 - 130	2	30
Silvex (2,4,5-TP)			0.0833	0.0876		mg/Kg		105	58 - 150	2	30
Silvex (2,4,5-TP)			0.0833	0.101		mg/Kg		121	58 - 150	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	110		65 - 150
2,4-Dichlorophenylacetic acid	116		65 - 150

Lab Sample ID: MB 460-781910/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781957 — **Prep Batch: 781910**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/02/21 22:37	06/03/21 06:56	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/02/21 22:37	06/03/21 06:56	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/02/21 22:37	06/03/21 06:56	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/02/21 22:37	06/03/21 06:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	102		28 - 150	06/02/21 22:37	06/03/21 06:56	1
2,4-Dichlorophenylacetic acid	104		28 - 150	06/02/21 22:37	06/03/21 06:56	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-781910/2-A
Matrix: Solid
Analysis Batch: 781957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0868		mg/L		130	36 - 139		
2,4-D			0.0667	0.0876		mg/L		131	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0196	J	mg/L		117	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0233	J	mg/L		140	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*105*		*28 - 150*
2,4-Dichlorophenylacetic acid	*109*		*28 - 150*

Lab Sample ID: LCSD 460-781910/3-A
Matrix: Solid
Analysis Batch: 781957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0908		mg/L		136	36 - 139	5	30
2,4-D			0.0667	0.0922		mg/L		138	36 - 139	5	30
Silvex (2,4,5-TP)			0.0167	0.0205	J	mg/L		123	42 - 150	4	30
Silvex (2,4,5-TP)			0.0167	0.0245	J	mg/L		147	42 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*106*		*28 - 150*
2,4-Dichlorophenylacetic acid	*111*		*28 - 150*

Lab Sample ID: MB 460-782129/1-A
Matrix: Solid
Analysis Batch: 782191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0030	U	0.0030	0.00018	mg/L		06/03/21 22:41	06/04/21 10:00	1
2,4-D	0.0030	U	0.0030	0.00018	mg/L		06/03/21 22:41	06/04/21 10:00	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		06/03/21 22:41	06/04/21 10:00	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		06/03/21 22:41	06/04/21 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*55*		*28 - 150*	*06/03/21 22:41*	*06/04/21 10:00*	*1*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*06/03/21 22:41*	*06/04/21 10:00*	*1*

Lab Sample ID: LCS 460-782129/2-A
Matrix: Solid
Analysis Batch: 782191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782129

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.00400	0.00300		mg/L		75	36 - 139		
2,4-D			0.00400	0.00323		mg/L		81	36 - 139		
Silvex (2,4,5-TP)			0.00100	0.000788	J	mg/L		79	42 - 150		
Silvex (2,4,5-TP)			0.00100	0.000984	J	mg/L		98	42 - 150		

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-782129/2-A
Matrix: Solid
Analysis Batch: 782191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*
2,4-Dichlorophenylacetic acid	*62*		*28 - 150*

Lab Sample ID: LCSD 460-782129/3-A
Matrix: Solid
Analysis Batch: 782191

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782129

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.00400	0.00330		mg/L		82	36 - 139	10	30
2,4-D			0.00400	0.00338		mg/L		85	36 - 139	5	30
Silvex (2,4,5-TP)			0.00100	0.000758	J	mg/L		76	42 - 150	4	30
Silvex (2,4,5-TP)			0.00100	0.000903	J	mg/L		90	42 - 150	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*

Lab Sample ID: MB 460-782130/1-A
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/03/21 22:42	06/04/21 10:30	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/03/21 22:42	06/04/21 10:30	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/03/21 22:42	06/04/21 10:30	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/03/21 22:42	06/04/21 10:30	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/03/21 22:42	06/04/21 10:30	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/03/21 22:42	06/04/21 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*06/03/21 22:42*	*06/04/21 10:30*	*1*
2,4-Dichlorophenylacetic acid	*91*		*65 - 150*	*06/03/21 22:42*	*06/04/21 10:30*	*1*

Lab Sample ID: LCS 460-782130/2-A
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782130

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T			0.0833	0.0703		mg/Kg		84	59 - 150
2,4,5-T			0.0833	0.0779		mg/Kg		93	59 - 150
2,4-D			0.333	0.270		mg/Kg		81	50 - 130
2,4-D			0.333	0.292		mg/Kg		88	50 - 130
Silvex (2,4,5-TP)			0.0833	0.0824		mg/Kg		99	58 - 150
Silvex (2,4,5-TP)			0.0833	0.0743		mg/Kg		89	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*105*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-782130/2-A
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	101		65 - 150

Lab Sample ID: LCSD 460-782130/3-A
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782130

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0668		mg/Kg		80	59 - 150	5	30
2,4,5-T			0.0833	0.0793		mg/Kg		95	59 - 150	2	30
2,4-D			0.333	0.276		mg/Kg		83	50 - 130	2	30
2,4-D			0.333	0.297		mg/Kg		89	50 - 130	1	30
Silvex (2,4,5-TP)			0.0833	0.0826		mg/Kg		99	58 - 150	0	30
Silvex (2,4,5-TP)			0.0833	0.0741		mg/Kg		89	58 - 150	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	108		65 - 150
2,4-Dichlorophenylacetic acid	104		65 - 150

Lab Sample ID: 460-235375-G-1-F MS
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.27	U	0.675	0.664		mg/Kg	☼	98	59 - 150
2,4,5-T	0.27	U	0.675	0.703		mg/Kg	☼	104	59 - 150
2,4-D	0.27	U	2.70	2.03		mg/Kg	☼	75	50 - 130
2,4-D	0.27	U	2.70	2.25		mg/Kg	☼	84	50 - 130
Silvex (2,4,5-TP)	0.27	U	0.675	0.580		mg/Kg	☼	86	58 - 150
Silvex (2,4,5-TP)	0.27	U	0.675	0.582		mg/Kg	☼	86	58 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	80		65 - 150
2,4-Dichlorophenylacetic acid	125		65 - 150

Lab Sample ID: 460-235375-G-1-G MSD
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.27	U	0.675	0.653		mg/Kg	☼	97	59 - 150	2	30
2,4,5-T	0.27	U	0.675	0.660		mg/Kg	☼	98	59 - 150	6	30
2,4-D	0.27	U	2.70	1.98		mg/Kg	☼	73	50 - 130	3	30
2,4-D	0.27	U	2.70	2.22		mg/Kg	☼	82	50 - 130	2	30
Silvex (2,4,5-TP)	0.27	U	0.675	0.549		mg/Kg	☼	81	58 - 150	5	30
Silvex (2,4,5-TP)	0.27	U	0.675	0.566		mg/Kg	☼	84	58 - 150	3	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-235375-G-1-G MSD
Matrix: Solid
Analysis Batch: 782192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782130

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*76*		*65 - 150*
2,4-Dichlorophenylacetic acid	*128*		*65 - 150*

Lab Sample ID: LB 460-780555/1-H
Matrix: Solid
Analysis Batch: 780899

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780850

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/27/21 23:26	05/28/21 11:03	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/27/21 23:26	05/28/21 11:03	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*61*		*28 - 150*	*05/27/21 23:26*	*05/28/21 11:03*	*1*
2,4-Dichlorophenylacetic acid	*65*		*28 - 150*	*05/27/21 23:26*	*05/28/21 11:03*	*1*

Lab Sample ID: LB 460-781094/1-C
Matrix: Solid
Analysis Batch: 781405

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781125

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		05/29/21 16:00	05/31/21 11:59	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		05/29/21 16:00	05/31/21 11:59	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*05/29/21 16:00*	*05/31/21 11:59*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*05/29/21 16:00*	*05/31/21 11:59*	*1*

Lab Sample ID: LB 460-781595/1-E
Matrix: Solid
Analysis Batch: 781957

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781910

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/02/21 22:37	06/03/21 12:30	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/02/21 22:37	06/03/21 12:30	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:30*	*1*
2,4-Dichlorophenylacetic acid	*90*		*28 - 150*	*06/02/21 22:37*	*06/03/21 12:30*	*1*

Lab Sample ID: LB 460-781898/1-E
Matrix: Solid
Analysis Batch: 782191

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782129

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*28 - 150*	*06/03/21 22:41*	*06/04/21 12:29*	*1*
2,4-Dichlorophenylacetic acid	*83*		*28 - 150*	*06/03/21 22:41*	*06/04/21 12:29*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-780241/1-A
Matrix: Solid
Analysis Batch: 780320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780241

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/25/21 18:13	05/26/21 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*116*		*40 - 140*	*05/25/21 18:13*	*05/26/21 09:17*	*1*
1-Chlorooctadecane	*120*		*40 - 140*	*05/25/21 18:13*	*05/26/21 09:17*	*1*

Lab Sample ID: LCS 460-780241/2-A
Matrix: Solid
Analysis Batch: 780320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	177		mg/Kg		133	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*114*		*40 - 140*
1-Chlorooctadecane	*170*	*	*40 - 140*

Lab Sample ID: LCSD 460-780241/3-A
Matrix: Solid
Analysis Batch: 780320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780241

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	133	171		mg/Kg		128	40 - 140	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*117*		*40 - 140*
1-Chlorooctadecane	*171*	*	*40 - 140*

Lab Sample ID: MB 460-781347/1-A
Matrix: Solid
Analysis Batch: 781475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781347

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		05/30/21 15:58	06/01/21 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*130*		*40 - 140*	*05/30/21 15:58*	*06/01/21 09:43*	*1*
1-Chlorooctadecane	*112*		*40 - 140*	*05/30/21 15:58*	*06/01/21 09:43*	*1*

Lab Sample ID: LCS 460-781347/2-A
Matrix: Solid
Analysis Batch: 781475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	150		mg/Kg		112	40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCS 460-781347/2-A
Matrix: Solid
Analysis Batch: 781475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781347

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	130		40 - 140
1-Chlorooctadecane	192	*	40 - 140

Lab Sample ID: LCSD 460-781347/3-A
Matrix: Solid
Analysis Batch: 781475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781347

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	152		mg/Kg		114	40 - 140	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	135		40 - 140
1-Chlorooctadecane	196	*	40 - 140

Lab Sample ID: MB 460-781499/1-A
Matrix: Solid
Analysis Batch: 781723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781499

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/01/21 10:24	06/02/21 09:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	107		40 - 140	06/01/21 10:24	06/02/21 09:41	1
1-Chlorooctadecane	113		40 - 140	06/01/21 10:24	06/02/21 09:41	1

Lab Sample ID: LCS 460-781499/2-A
Matrix: Solid
Analysis Batch: 781723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	148		mg/Kg		111	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	97		40 - 140
1-Chlorooctadecane	147	*	40 - 140

Lab Sample ID: LCSD 460-781499/3-A
Matrix: Solid
Analysis Batch: 781723

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781499

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	145		mg/Kg		109	40 - 140	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	99		40 - 140
1-Chlorooctadecane	149	*	40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-780770/1-A
Matrix: Solid
Analysis Batch: 780967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		05/27/21 16:20	05/28/21 15:27	1
Barium	0.20	U	0.20	0.013	mg/L		05/27/21 16:20	05/28/21 15:27	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		05/27/21 16:20	05/28/21 15:27	1
Chromium	0.010	U	0.010	0.0050	mg/L		05/27/21 16:20	05/28/21 15:27	1
Lead	0.010	U	0.010	0.0024	mg/L		05/27/21 16:20	05/28/21 15:27	1
Selenium	0.020	U	0.020	0.0059	mg/L		05/27/21 16:20	05/28/21 15:27	1
Silver	0.010	U	0.010	0.0058	mg/L		05/27/21 16:20	05/28/21 15:27	1

Lab Sample ID: LCS 460-780770/2-A ^2
Matrix: Solid
Analysis Batch: 780967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	4.80		mg/L		96	80 - 120
Barium	10.0	10.09		mg/L		101	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	5.00	4.98		mg/L		100	80 - 120
Lead	5.00	5.15		mg/L		103	80 - 120
Selenium	1.00	0.972		mg/L		97	80 - 120
Silver	0.500	0.474		mg/L		95	80 - 120

Lab Sample ID: MB 460-781455/1-A
Matrix: Solid
Analysis Batch: 781543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/01/21 05:46	06/01/21 18:20	1
Barium	0.20	U	0.20	0.013	mg/L		06/01/21 05:46	06/01/21 18:20	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/01/21 05:46	06/01/21 18:20	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/01/21 05:46	06/01/21 18:20	1
Lead	0.010	U	0.010	0.0024	mg/L		06/01/21 05:46	06/01/21 18:20	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/01/21 05:46	06/01/21 18:20	1
Silver	0.010	U	0.010	0.0058	mg/L		06/01/21 05:46	06/01/21 18:20	1

Lab Sample ID: LCS 460-781455/2-A ^2
Matrix: Solid
Analysis Batch: 781543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.26		mg/L		105	80 - 120
Barium	10.0	10.84		mg/L		108	80 - 120
Cadmium	1.00	1.09		mg/L		109	80 - 120
Chromium	5.00	5.38		mg/L		108	80 - 120
Lead	5.00	5.47		mg/L		109	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	0.500	0.491		mg/L		98	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 460-782188/1-A
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/04/21 06:52	06/04/21 18:50	1
Barium	0.20	U	0.20	0.013	mg/L		06/04/21 06:52	06/04/21 18:50	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/04/21 06:52	06/04/21 18:50	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/04/21 06:52	06/04/21 18:50	1
Lead	0.010	U	0.010	0.0024	mg/L		06/04/21 06:52	06/04/21 18:50	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/04/21 06:52	06/04/21 18:50	1
Silver	0.010	U	0.010	0.0058	mg/L		06/04/21 06:52	06/04/21 18:50	1

Lab Sample ID: LCS 460-782188/2-A ^2
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.02		mg/L		100	80 - 120
Barium	10.0	10.41		mg/L		104	80 - 120
Cadmium	1.00	1.09		mg/L		109	80 - 120
Chromium	5.00	5.29		mg/L		106	80 - 120
Lead	5.00	5.29		mg/L		106	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.500	0.493		mg/L		99	80 - 120

Lab Sample ID: LB 460-780555/1-E ^5
Matrix: Solid
Analysis Batch: 780967

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780770

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		05/27/21 16:20	05/28/21 15:52	5
Barium	1.0	U	1.0	0.066	mg/L		05/27/21 16:20	05/28/21 15:52	5
Cadmium	0.020	U	0.020	0.0016	mg/L		05/27/21 16:20	05/28/21 15:52	5
Chromium	0.050	U	0.050	0.025	mg/L		05/27/21 16:20	05/28/21 15:52	5
Lead	0.050	U	0.050	0.012	mg/L		05/27/21 16:20	05/28/21 15:52	5
Selenium	0.10	U	0.10	0.029	mg/L		05/27/21 16:20	05/28/21 15:52	5
Silver	0.050	U	0.050	0.029	mg/L		05/27/21 16:20	05/28/21 15:52	5

Lab Sample ID: 460-234481-A-1-AG MS
Matrix: Solid
Analysis Batch: 780967

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 780770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.18		mg/L		104	75 - 125
Barium	0.19	J	10.0	10.50		mg/L		103	75 - 125
Cadmium	0.020	U	1.00	1.06		mg/L		106	75 - 125
Chromium	0.050	U	5.00	5.20		mg/L		104	75 - 125
Lead	0.050	U	5.00	5.17		mg/L		103	75 - 125
Selenium	0.10	U	1.00	1.07		mg/L		107	75 - 125
Silver	0.050	U	0.500	0.516		mg/L		103	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-234481-A-1-AF DU
Matrix: Solid
Analysis Batch: 780967

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 780770

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	0.075	U		0.075	U	mg/L				NC	20
Barium	0.19	J		0.194	J	mg/L				3	20
Cadmium	0.020	U		0.020	U	mg/L				NC	20
Chromium	0.050	U		0.050	U	mg/L				NC	20
Lead	0.050	U		0.050	U	mg/L				NC	20
Selenium	0.10	U		0.10	U	mg/L				NC	20
Silver	0.050	U		0.050	U	mg/L				NC	20

Lab Sample ID: LB 460-781094/1-E ^5
Matrix: Solid
Analysis Batch: 781543

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781455

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/01/21 05:46	06/01/21 17:35	5
Barium	1.0	U	1.0	0.066	mg/L		06/01/21 05:46	06/01/21 17:35	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/01/21 05:46	06/01/21 17:35	5
Chromium	0.050	U	0.050	0.025	mg/L		06/01/21 05:46	06/01/21 17:35	5
Lead	0.050	U	0.050	0.012	mg/L		06/01/21 05:46	06/01/21 17:35	5
Selenium	0.10	U	0.10	0.029	mg/L		06/01/21 05:46	06/01/21 17:35	5
Silver	0.050	U	0.050	0.029	mg/L		06/01/21 05:46	06/01/21 17:35	5

Lab Sample ID: 460-235271-1 MS
Matrix: Solid
Analysis Batch: 781543

Client Sample ID: WCR-5 (0-8)
Prep Type: TCLP
Prep Batch: 781455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.075	U	5.00	5.89		mg/L		118	75 - 125		
Barium	0.32	J	10.0	12.01		mg/L		117	75 - 125		
Cadmium	0.020	U	1.00	1.17		mg/L		117	75 - 125		
Chromium	0.050	U	5.00	5.94		mg/L		119	75 - 125		
Lead	0.068		5.00	5.83		mg/L		115	75 - 125		
Selenium	0.10	U	1.00	1.21		mg/L		121	75 - 125		
Silver	0.050	U	0.500	0.538		mg/L		108	75 - 125		

Lab Sample ID: 460-235271-1 DU
Matrix: Solid
Analysis Batch: 781543

Client Sample ID: WCR-5 (0-8)
Prep Type: TCLP
Prep Batch: 781455

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	0.075	U		0.075	U	mg/L				NC	20
Barium	0.32	J		0.313	J	mg/L				3	20
Cadmium	0.020	U		0.00255	J	mg/L				NC	20
Chromium	0.050	U		0.050	U	mg/L				NC	20
Lead	0.068			0.0610		mg/L				10	20
Selenium	0.10	U		0.10	U	mg/L				NC	20
Silver	0.050	U		0.050	U	mg/L				NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 460-781595/1-G ^5
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782188

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:40	5
Barium	1.0	U	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:40	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:40	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:40	5
Lead	0.050	U	0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:40	5
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:40	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:40	5

Lab Sample ID: LB 460-781898/1-F ^5
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782188

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/04/21 06:52	06/04/21 19:44	5
Barium	1.0	U	1.0	0.066	mg/L		06/04/21 06:52	06/04/21 19:44	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/04/21 06:52	06/04/21 19:44	5
Chromium	0.050	U	0.050	0.025	mg/L		06/04/21 06:52	06/04/21 19:44	5
Lead	0.050	U	0.050	0.012	mg/L		06/04/21 06:52	06/04/21 19:44	5
Selenium	0.10	U	0.10	0.029	mg/L		06/04/21 06:52	06/04/21 19:44	5
Silver	0.050	U	0.050	0.029	mg/L		06/04/21 06:52	06/04/21 19:44	5

Lab Sample ID: 460-235378-F-1-G MS
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 782188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	6.03		mg/L		121	75 - 125
Barium	0.25	J	10.0	12.07		mg/L		118	75 - 125
Cadmium	0.020	U	1.00	1.22		mg/L		122	75 - 125
Chromium	0.050	U	5.00	6.06		mg/L		121	75 - 125
Lead	0.050	U	5.00	5.81		mg/L		116	75 - 125
Selenium	0.10	U	1.00	1.27	N	mg/L		127	75 - 125
Silver	0.050	U	0.500	0.583		mg/L		117	75 - 125

Lab Sample ID: 460-235378-F-1-F DU
Matrix: Solid
Analysis Batch: 782288

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 782188

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.0177	J	mg/L		NC	20
Barium	0.25	J	0.245	J	mg/L		3	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-780863/1-A
Matrix: Solid
Analysis Batch: 780946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Antimony	1.0	U	1.0	0.15	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Barium	2.0	U	2.0	0.15	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Calcium	100	U	100	17.0	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Chromium	2.0	U	2.0	0.17	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Copper	2.0	U	2.0	0.22	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Iron	60.0	U	60.0	20.2	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Lead	0.60	U	0.60	0.20	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Magnesium	100	U	100	10.2	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Manganese	4.0	U	4.0	0.40	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Nickel	2.0	U	2.0	0.19	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Potassium	100	U	100	11.2	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Selenium	1.3	U	1.3	0.12	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Silver	1.0	U	1.0	0.089	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Sodium	100	U	100	15.6	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Thallium	0.40	U	0.40	0.041	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		05/28/21 03:16	05/28/21 21:59	1
Zinc	8.0	U	8.0	2.3	mg/Kg		05/28/21 03:16	05/28/21 21:59	1

Lab Sample ID: LCSSRM 460-780863/2-A ^5
Matrix: Solid
Analysis Batch: 781408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780863

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7470		mg/Kg		91.9	48.2 - 151.3
Antimony	134	65.04		mg/Kg		48.5	3.4 - 197.0
Arsenic	156	156.6		mg/Kg		100.4	82.7 - 117.3
Barium	239	229.2		mg/Kg		95.9	82.4 - 117.2
Beryllium	169	160.4		mg/Kg		94.9	83.4 - 117.2
Cadmium	137	145.1		mg/Kg		105.9	82.5 - 116.8
Calcium	4760	4790		mg/Kg		100.6	81.7 - 118.5
Chromium	154	154.5		mg/Kg		100.3	81.8 - 117.5
Cobalt	121	126.6		mg/Kg		104.6	83.5 - 116.5
Copper	54.9	55.46		mg/Kg		101.0	84.0 - 115.8
Iron	14100	12550		mg/Kg		89.0	60.1 - 139.7
Lead	130	131.4		mg/Kg		101.1	82.3 - 116.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-780863/2-A ^5
Matrix: Solid
Analysis Batch: 781408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780863

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	2320	2400		mg/Kg		103.4	75.9 - 124.1
Manganese	269	277.1		mg/Kg		103.0	82.2 - 117.8
Nickel	53.9	57.15		mg/Kg		106.0	82.6 - 117.4
Potassium	2020	1895		mg/Kg		93.8	69.8 - 130.2
Selenium	167	179.4		mg/Kg		107.4	79.0 - 120.4
Silver	33.6	34.93		mg/Kg		103.9	79.8 - 119.9
Sodium	133	114.8	J	mg/Kg		86.3	71.5 - 128.6
Thallium	112	117.2		mg/Kg		104.6	80.6 - 118.8
Vanadium	62.6	59.63		mg/Kg		95.3	78.9 - 121.1
Zinc	158	153.9		mg/Kg		97.4	81.0 - 119.0

Lab Sample ID: 460-235054-1 MS
Matrix: Solid
Analysis Batch: 780946

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	4880		565	5796	4	mg/Kg	☼	163	75 - 125
Antimony	1.1	U	5.65	2.94	N	mg/Kg	☼	52	75 - 125
Arsenic	1.6		11.3	12.65		mg/Kg	☼	98	75 - 125
Barium	30.6		11.3	43.11		mg/Kg	☼	111	75 - 125
Beryllium	0.24	J	5.65	5.81		mg/Kg	☼	99	75 - 125
Cadmium	1.1	U	5.65	5.97		mg/Kg	☼	106	75 - 125
Calcium	3560		565	4132	4	mg/Kg	☼	101	75 - 125
Chromium	11.1		11.3	21.36		mg/Kg	☼	91	75 - 125
Cobalt	4.1		5.65	9.68		mg/Kg	☼	98	75 - 125
Copper	17.0		11.3	28.98		mg/Kg	☼	106	75 - 125
Iron	10400		565	9759	4	mg/Kg	☼	-119	75 - 125
Lead	43.1		5.65	32.13	4	mg/Kg	☼	-195	75 - 125
Magnesium	3520		565	3892	4	mg/Kg	☼	65	75 - 125
Manganese	277		56.5	279.5	4	mg/Kg	☼	5	75 - 125
Nickel	9.8		11.3	20.80		mg/Kg	☼	97	75 - 125
Potassium	683		565	1353		mg/Kg	☼	119	75 - 125
Selenium	1.4	U	11.3	11.89		mg/Kg	☼	105	75 - 125
Silver	1.1	U	5.65	5.65		mg/Kg	☼	100	75 - 125
Sodium	259		565	889.7		mg/Kg	☼	112	75 - 125
Thallium	0.091	J	4.52	4.71		mg/Kg	☼	102	75 - 125
Vanadium	17.6		11.3	25.13	N	mg/Kg	☼	67	75 - 125
Zinc	27.8		56.5	82.30		mg/Kg	☼	96	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235054-1 DU
Matrix: Solid
Analysis Batch: 780946

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780863

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	4880			4428		mg/Kg	☼			10	20
Antimony	1.1	U		0.234	J	mg/Kg	☼			NC	20
Arsenic	1.6			2.13		mg/Kg	☼			30	20
Barium	30.6			28.88		mg/Kg	☼			6	20
Beryllium	0.24	J		0.217	J	mg/Kg	☼			9	20
Cadmium	1.1	U		1.1	U	mg/Kg	☼			NC	20
Calcium	3560			3647		mg/Kg	☼			2	20
Chromium	11.1			8.97		mg/Kg	☼			21	20
Cobalt	4.1			4.11		mg/Kg	☼			0.1	20
Copper	17.0			24.86	*	mg/Kg	☼			37	20
Iron	10400			9696		mg/Kg	☼			7	20
Lead	43.1			49.02		mg/Kg	☼			13	20
Magnesium	3520			3398		mg/Kg	☼			4	20
Manganese	277			215.2	*	mg/Kg	☼			25	20
Nickel	9.8			8.54		mg/Kg	☼			14	20
Potassium	683			621.0		mg/Kg	☼			9	20
Selenium	1.4	U		1.4	U	mg/Kg	☼			NC	20
Silver	1.1	U		1.1	U	mg/Kg	☼			NC	20
Sodium	259			244.8		mg/Kg	☼			6	20
Thallium	0.091	J		0.100	J	mg/Kg	☼			9	20
Vanadium	17.6			12.68	*	mg/Kg	☼			32	20
Zinc	27.8			33.87		mg/Kg	☼			20	20

Lab Sample ID: MB 460-781940/1-A
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Calcium	100	U	100	17.0	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Magnesium	100	U	100	10.2	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Potassium	100	U	100	11.2	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Sodium	100	U	100	15.6	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/03/21 04:15	06/03/21 09:35	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/03/21 04:15	06/03/21 09:35	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-781940/1-A
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	8.0	U	8.0	2.3	mg/Kg		06/03/21 04:15	06/03/21 09:35	1

Lab Sample ID: LCSSRM 460-781940/2-A ^5
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781940

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6818		mg/Kg		83.9	48.2 - 151.3
Antimony	134	97.04		mg/Kg		72.4	3.4 - 197.0
Arsenic	156	153.6		mg/Kg		98.5	82.7 - 117.3
Barium	239	225.7		mg/Kg		94.4	82.4 - 117.2
Beryllium	169	165.0		mg/Kg		97.6	83.4 - 117.2
Cadmium	137	138.5		mg/Kg		101.1	82.5 - 116.8
Calcium	4760	4620		mg/Kg		97.1	81.7 - 118.5
Chromium	154	151.5		mg/Kg		98.4	81.8 - 117.5
Cobalt	121	125.6		mg/Kg		103.8	83.5 - 116.5
Copper	54.9	52.58		mg/Kg		95.8	84.0 - 115.8
Iron	14100	12980		mg/Kg		92.1	60.1 - 139.7
Lead	130	126.1		mg/Kg		97.0	82.3 - 116.9
Magnesium	2320	2166		mg/Kg		93.3	75.9 - 124.1
Manganese	269	285.2		mg/Kg		106.0	82.2 - 117.8
Nickel	53.9	55.95		mg/Kg		103.8	82.6 - 117.4
Potassium	2020	1776		mg/Kg		87.9	69.8 - 130.2
Selenium	167	169.9		mg/Kg		101.7	79.0 - 120.4
Silver	33.6	31.94		mg/Kg		95.1	79.8 - 119.9
Sodium	133	107.1	J	mg/Kg		80.6	71.5 - 128.6
Thallium	112	108.8		mg/Kg		97.1	80.6 - 118.8
Vanadium	62.6	59.62		mg/Kg		95.2	78.9 - 121.1
Zinc	158	152.6		mg/Kg		96.6	81.0 - 119.0

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-234557-F-1-B MS
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	4280		2810	7676		mg/Kg	☼	121	75 - 125
Antimony	2.8	J	28.1	29.38		mg/Kg	☼	95	75 - 125
Arsenic	4.6	J	56.2	67.45		mg/Kg	☼	112	75 - 125
Barium	204		56.2	366.2	N	mg/Kg	☼	288	75 - 125
Beryllium	0.32	J	28.1	26.28		mg/Kg	☼	94	75 - 125
Cadmium	4.2	J	28.1	35.62		mg/Kg	☼	112	75 - 125
Calcium	11000		2810	15150	N	mg/Kg	☼	148	75 - 125
Chromium	26.4		56.2	91.72		mg/Kg	☼	116	75 - 125
Cobalt	2.9	J	28.1	34.00		mg/Kg	☼	111	75 - 125
Copper	188		56.2	3275	N	mg/Kg	☼	5492	75 - 125
Iron	54800		2810	144800	4	mg/Kg	☼	3204	75 - 125
Lead	251		28.1	569.2	4	mg/Kg	☼	1132	75 - 125
Magnesium	598		2810	3322		mg/Kg	☼	97	75 - 125
Manganese	278		281	874.9	N	mg/Kg	☼	212	75 - 125
Nickel	22.3		56.2	111.2	N	mg/Kg	☼	158	75 - 125
Potassium	184	J	2810	2914		mg/Kg	☼	97	75 - 125
Selenium	1.2	J	56.2	56.90		mg/Kg	☼	99	75 - 125
Silver	3.0	J	28.1	32.48		mg/Kg	☼	105	75 - 125
Sodium	138	J	2810	3100		mg/Kg	☼	105	75 - 125
Thallium	2.2	U	22.5	21.38		mg/Kg	☼	95	75 - 125
Vanadium	12.2		56.2	67.48		mg/Kg	☼	98	75 - 125
Zinc	516		281	1989	N	mg/Kg	☼	524	75 - 125

Lab Sample ID: 460-234557-A-1-D DU
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 781940

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	4280		3998		mg/Kg	☼	7	20
Antimony	2.8	J	4.24	J	mg/Kg	☼	42	20
Arsenic	4.6	J	5.59	J	mg/Kg	☼	20	20
Barium	204		239.1		mg/Kg	☼	16	20
Beryllium	0.32	J	2.2	U	mg/Kg	☼	NC	20
Cadmium	4.2	J	7.07		mg/Kg	☼	51	20
Calcium	11000		11010		mg/Kg	☼	0.1	20
Chromium	26.4		30.77		mg/Kg	☼	15	20
Cobalt	2.9	J	4.38	J	mg/Kg	☼	41	20
Copper	188		251.6	*	mg/Kg	☼	29	20
Iron	54800		89600	*	mg/Kg	☼	48	20
Lead	251		324.8	*	mg/Kg	☼	26	20
Magnesium	598		508.6	J	mg/Kg	☼	16	20
Manganese	278		398.2	*	mg/Kg	☼	35	20
Nickel	22.3		34.52	*	mg/Kg	☼	43	20
Potassium	184	J	159.4	J	mg/Kg	☼	14	20
Selenium	1.2	J	1.16	J	mg/Kg	☼	6	20
Silver	3.0	J	7.30		mg/Kg	☼	84	20
Sodium	138	J	124.4	J	mg/Kg	☼	10	20
Thallium	2.2	U	2.2	U	mg/Kg	☼	NC	20
Vanadium	12.2		11.87		mg/Kg	☼	3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-234557-A-1-D DU
Matrix: Solid
Analysis Batch: 781996

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 781940

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	516		751.8	*	mg/Kg	☼	37	20

Lab Sample ID: MB 460-782151/1-A
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Calcium	100	U	100	17.0	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Magnesium	100	U	100	10.2	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Potassium	100	U	100	11.2	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Sodium	100	U	100	15.6	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/04/21 03:04	06/04/21 10:34	1
Zinc	8.0	U	8.0	2.3	mg/Kg		06/04/21 03:04	06/04/21 10:34	1

Lab Sample ID: LCSSRM 460-782151/2-A ^5
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782151

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6762		mg/Kg		83.2	48.2 - 151.3
Antimony	134	98.37		mg/Kg		73.4	3.4 - 197.0
Arsenic	156	152.4		mg/Kg		97.7	82.7 - 117.3
Barium	239	223.3		mg/Kg		93.4	82.4 - 117.2
Beryllium	169	163.4		mg/Kg		96.7	83.4 - 117.2
Cadmium	137	139.7		mg/Kg		102.0	82.5 - 116.8
Calcium	4760	4896		mg/Kg		102.9	81.7 - 118.5
Chromium	154	153.7		mg/Kg		99.8	81.8 - 117.5

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-782151/2-A ^5
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782151

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	121	126.8		mg/Kg		104.8	83.5 - 116.5
Copper	54.9	53.81		mg/Kg		98.0	84.0 - 115.8
Iron	14100	12820		mg/Kg		90.9	60.1 - 139.7
Lead	130	129.6		mg/Kg		99.7	82.3 - 116.9
Magnesium	2320	2145		mg/Kg		92.5	75.9 - 124.1
Manganese	269	289.3		mg/Kg		107.6	82.2 - 117.8
Nickel	53.9	56.26		mg/Kg		104.4	82.6 - 117.4
Potassium	2020	1779		mg/Kg		88.1	69.8 - 130.2
Selenium	167	175.2		mg/Kg		104.9	79.0 - 120.4
Silver	33.6	32.16		mg/Kg		95.7	79.8 - 119.9
Sodium	133	115.8	J	mg/Kg		87.1	71.5 - 128.6
Thallium	112	113.2		mg/Kg		101.1	80.6 - 118.8
Vanadium	62.6	61.07		mg/Kg		97.6	78.9 - 121.1
Zinc	158	152.5		mg/Kg		96.5	81.0 - 119.0

Lab Sample ID: 460-235271-3 MS
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-6 (0-8)
Prep Type: Total/NA
Prep Batch: 782151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	4470		527	5383	4	mg/Kg	☼	174	75 - 125
Antimony	1.1	U	5.27	2.83	N	mg/Kg	☼	54	75 - 125
Arsenic	1.1		10.5	11.99		mg/Kg	☼	103	75 - 125
Barium	31.2		10.5	42.92		mg/Kg	☼	111	75 - 125
Beryllium	0.22	J	5.27	5.37		mg/Kg	☼	98	75 - 125
Cadmium	1.1	U	5.27	5.43		mg/Kg	☼	103	75 - 125
Calcium	1520		527	2249	N	mg/Kg	☼	137	75 - 125
Chromium	10		10.5	20.66		mg/Kg	☼	101	75 - 125
Cobalt	3.6		5.27	8.83		mg/Kg	☼	99	75 - 125
Copper	13.1		10.5	23.09		mg/Kg	☼	95	75 - 125
Iron	8640		527	9687	4	mg/Kg	☼	199	75 - 125
Lead	16.4		5.27	22.05		mg/Kg	☼	107	75 - 125
Magnesium	2040		527	2831	N	mg/Kg	☼	150	75 - 125
Manganese	239		52.7	298.8	4	mg/Kg	☼	114	75 - 125
Nickel	7.9		10.5	18.51		mg/Kg	☼	101	75 - 125
Potassium	673		527	1256		mg/Kg	☼	111	75 - 125
Selenium	1.3	U	10.5	10.26		mg/Kg	☼	97	75 - 125
Silver	1.1	U	5.27	5.25		mg/Kg	☼	100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235271-3 MS
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-6 (0-8)
Prep Type: Total/NA
Prep Batch: 782151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	268		527	783.9		mg/Kg	☼	98	75 - 125
Thallium	0.055	J	4.21	4.24		mg/Kg	☼	99	75 - 125
Vanadium	13.8		10.5	23.49		mg/Kg	☼	92	75 - 125
Zinc	24.2		52.7	76.47		mg/Kg	☼	99	75 - 125

Lab Sample ID: 460-235271-3 DU
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-6 (0-8)
Prep Type: Total/NA
Prep Batch: 782151

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	4470		4578		mg/Kg	☼	2	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	1.1		1.33		mg/Kg	☼	17	20
Barium	31.2		34.55		mg/Kg	☼	10	20
Beryllium	0.22	J	0.240	J	mg/Kg	☼	8	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Calcium	1520		1730		mg/Kg	☼	13	20
Chromium	10		10.10		mg/Kg	☼	1	20
Cobalt	3.6		4.02		mg/Kg	☼	10	20
Copper	13.1		14.19		mg/Kg	☼	8	20
Iron	8640		9120		mg/Kg	☼	5	20
Lead	16.4		16.09		mg/Kg	☼	2	20
Magnesium	2040		2387		mg/Kg	☼	16	20
Manganese	239		256.1		mg/Kg	☼	7	20
Nickel	7.9		9.57		mg/Kg	☼	19	20
Potassium	673		721.6		mg/Kg	☼	7	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	268		272.1		mg/Kg	☼	2	20
Thallium	0.055	J	0.0601	J	mg/Kg	☼	9	20
Vanadium	13.8		13.93		mg/Kg	☼	0.6	20
Zinc	24.2		25.03		mg/Kg	☼	3	20

Lab Sample ID: MB 460-782152/1-A
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Calcium	100	U	100	17.0	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/04/21 03:08	06/04/21 10:36	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-782152/1-A
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Magnesium	100	U	100	10.2	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Potassium	100	U	100	11.2	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Sodium	100	U	100	15.6	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/04/21 03:08	06/04/21 10:36	1
Zinc	8.0	U	8.0	2.3	mg/Kg		06/04/21 03:08	06/04/21 10:36	1

Lab Sample ID: LCSSRM 460-782152/2-A ^5
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782152

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	6717		mg/Kg		82.6	48.2 - 151.3
Antimony	134	86.11		mg/Kg		64.3	3.4 - 197.0
Arsenic	156	145.5		mg/Kg		93.3	82.7 - 117.3
Barium	239	215.9		mg/Kg		90.4	82.4 - 117.2
Beryllium	169	157.6		mg/Kg		93.3	83.4 - 117.2
Cadmium	137	134.7		mg/Kg		98.3	82.5 - 116.8
Calcium	4760	4694		mg/Kg		98.6	81.7 - 118.5
Chromium	154	146.0		mg/Kg		94.8	81.8 - 117.5
Cobalt	121	121.1		mg/Kg		100.1	83.5 - 116.5
Copper	54.9	51.36		mg/Kg		93.6	84.0 - 115.8
Iron	14100	11850		mg/Kg		84.0	60.1 - 139.7
Lead	130	122.5		mg/Kg		94.2	82.3 - 116.9
Magnesium	2320	2106		mg/Kg		90.8	75.9 - 124.1
Manganese	269	255.2		mg/Kg		94.9	82.2 - 117.8
Nickel	53.9	54.41		mg/Kg		101.0	82.6 - 117.4
Potassium	2020	1797		mg/Kg		89.0	69.8 - 130.2
Selenium	167	164.0		mg/Kg		98.2	79.0 - 120.4
Silver	33.6	30.19		mg/Kg		89.8	79.8 - 119.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-782152/2-A ^5
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782152

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	133	117.1	J	mg/Kg		88.1	71.5 - 128.6
Thallium	112	110.1		mg/Kg		98.3	80.6 - 118.8
Vanadium	62.6	56.51		mg/Kg		90.3	78.9 - 121.1
Zinc	158	145.8		mg/Kg		92.3	81.0 - 119.0

Lab Sample ID: 460-235434-5 MS
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-12 (0-8)
Prep Type: Total/NA
Prep Batch: 782152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6270		535	7246	4	mg/Kg	☼	182	75 - 125
Antimony	1.1	U	5.35	2.27	N	mg/Kg	☼	42	75 - 125
Arsenic	2.0		10.7	12.30		mg/Kg	☼	96	75 - 125
Barium	31.6		10.7	42.03		mg/Kg	☼	97	75 - 125
Beryllium	0.34	J	5.35	5.54		mg/Kg	☼	97	75 - 125
Cadmium	0.20	J	5.35	5.35		mg/Kg	☼	96	75 - 125
Calcium	1580		535	2034		mg/Kg	☼	85	75 - 125
Chromium	12.7		10.7	22.96		mg/Kg	☼	96	75 - 125
Cobalt	4.7		5.35	10.13		mg/Kg	☼	102	75 - 125
Copper	14.0		10.7	25.40		mg/Kg	☼	106	75 - 125
Iron	11200		535	11620	4	mg/Kg	☼	79	75 - 125
Lead	11.5		5.35	18.36	N	mg/Kg	☼	128	75 - 125
Magnesium	2560		535	2996	4	mg/Kg	☼	82	75 - 125
Manganese	246		53.5	309.1	4	mg/Kg	☼	119	75 - 125
Nickel	11.1		10.7	22.15		mg/Kg	☼	103	75 - 125
Potassium	775		535	1304		mg/Kg	☼	99	75 - 125
Selenium	1.3	U	10.7	10.64		mg/Kg	☼	99	75 - 125
Silver	1.1	U	5.35	5.20		mg/Kg	☼	97	75 - 125
Sodium	323		535	856.8		mg/Kg	☼	100	75 - 125
Thallium	0.076	J	4.28	4.14		mg/Kg	☼	95	75 - 125
Vanadium	17.1		10.7	27.46		mg/Kg	☼	96	75 - 125
Zinc	30.2		53.5	81.09		mg/Kg	☼	95	75 - 125

Lab Sample ID: 460-235434-5 DU
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-12 (0-8)
Prep Type: Total/NA
Prep Batch: 782152

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	6270		6380		mg/Kg	☼	2	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	2.0		2.11		mg/Kg	☼	6	20
Barium	31.6		31.26		mg/Kg	☼	1	20
Beryllium	0.34	J	0.326	J	mg/Kg	☼	5	20
Cadmium	0.20	J	0.169	J	mg/Kg	☼	15	20
Calcium	1580		1513		mg/Kg	☼	4	20
Chromium	12.7		12.59		mg/Kg	☼	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235434-5 DU
Matrix: Solid
Analysis Batch: 782250

Client Sample ID: WCR-12 (0-8)
Prep Type: Total/NA
Prep Batch: 782152

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cobalt	4.7		4.72		mg/Kg	☼	1	20
Copper	14.0		14.47		mg/Kg	☼	3	20
Iron	11200		11330		mg/Kg	☼	1	20
Lead	11.5		12.49		mg/Kg	☼	8	20
Magnesium	2560		2580		mg/Kg	☼	0.9	20
Manganese	246		236.5		mg/Kg	☼	4	20
Nickel	11.1		10.65		mg/Kg	☼	4	20
Potassium	775		748.1		mg/Kg	☼	4	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	323		353.4		mg/Kg	☼	9	20
Thallium	0.076	J	0.0782	J	mg/Kg	☼	3	20
Vanadium	17.1		17.06		mg/Kg	☼	0.5	20
Zinc	30.2		30.22		mg/Kg	☼	0.1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-780722/1-A
Matrix: Solid
Analysis Batch: 780760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 15:50	1

Lab Sample ID: LCS 460-780722/2-A
Matrix: Solid
Analysis Batch: 780760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00472		mg/L		94	80 - 120

Lab Sample ID: MB 460-781525/1-A
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:50	06/01/21 14:43	1

Lab Sample ID: LCS 460-781525/2-A
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00512		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-781528/1-A
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 15:36	1

Lab Sample ID: LCS 460-781528/2-A
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00448		mg/L		90	80 - 120

Lab Sample ID: MB 460-781813/1-A
Matrix: Solid
Analysis Batch: 781844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/02/21 13:49	06/02/21 15:28	1

Lab Sample ID: MB 460-782049/1-A
Matrix: Solid
Analysis Batch: 782092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:03	1

Lab Sample ID: LCS 460-782049/2-A
Matrix: Solid
Analysis Batch: 782092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00499		mg/L		100	80 - 120

Lab Sample ID: LB 460-780555/1-D
Matrix: Solid
Analysis Batch: 780760

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 780722

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		05/27/21 14:05	05/27/21 16:20	1

Lab Sample ID: 460-235054-1 MS
Matrix: Solid
Analysis Batch: 780760

Client Sample ID: WCR-1
Prep Type: TCLP
Prep Batch: 780722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00468		mg/L		94	75 - 125

Lab Sample ID: 460-235054-1 DU
Matrix: Solid
Analysis Batch: 780760

Client Sample ID: WCR-1
Prep Type: TCLP
Prep Batch: 780722

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-235187-B-7-G MS
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 781525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00490		mg/L		98	75 - 125

Lab Sample ID: 460-235187-B-7-F DU
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 781525

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Lab Sample ID: LB 460-781094/1-F
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781528

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 16:26	1

Lab Sample ID: LB 460-781250/1-D
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781528

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 16:32	1

Lab Sample ID: LB 460-781409/1-B
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781528

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/01/21 13:59	06/01/21 16:30	1

Lab Sample ID: 460-234962-D-3-J MS
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 781528

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00494		mg/L		99	75 - 125

Lab Sample ID: 460-234962-D-3-I DU
Matrix: Solid
Analysis Batch: 781594

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 781528

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Lab Sample ID: LB 460-781595/1-D
Matrix: Solid
Analysis Batch: 781844

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 781813

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000104	J	0.00020	0.000091	mg/L		06/02/21 13:49	06/02/21 16:18	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 460-781898/1-D
Matrix: Solid
Analysis Batch: 782092

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782049

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/03/21 15:08	06/03/21 16:37	1

Lab Sample ID: 460-235363-1 MS
Matrix: Solid
Analysis Batch: 782092

Client Sample ID: WCR-8 (0-8)
Prep Type: TCLP
Prep Batch: 782049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00487		mg/L		97	75 - 125

Lab Sample ID: 460-235363-1 DU
Matrix: Solid
Analysis Batch: 782092

Client Sample ID: WCR-8 (0-8)
Prep Type: TCLP
Prep Batch: 782049

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-780867/1-A
Matrix: Solid
Analysis Batch: 780960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		05/28/21 03:37	05/28/21 08:17	1

Lab Sample ID: LCSSRM 460-780867/2-A ^40
Matrix: Solid
Analysis Batch: 780960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780867

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	22.28		mg/Kg		108.7	71.7 - 128.3

Lab Sample ID: 460-234186-E-1-D MSD ^10
Matrix: Solid
Analysis Batch: 780960

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 780867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	4.0		0.126	4.45	4	mg/Kg	☼	391	80 - 120	3	20

Lab Sample ID: 460-234186-H-1-H MS ^10
Matrix: Solid
Analysis Batch: 780960

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 780867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	4.0		0.126	4.60	4	mg/Kg	☼	510	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-234186-H-1-G DU ^10
Matrix: Solid
Analysis Batch: 780960

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 780867

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	4.0			4.36		mg/Kg	☼			10	20

Lab Sample ID: MB 460-781662/10-A
Matrix: Solid
Analysis Batch: 781783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/02/21 02:59	06/02/21 06:33	1

Lab Sample ID: LCSSRM 460-781662/11-A ^40
Matrix: Solid
Analysis Batch: 781783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781662

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.11		mg/Kg		98.1	71.7 - 128.3		

Lab Sample ID: 460-235318-E-1-G MS
Matrix: Solid
Analysis Batch: 781783

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.020		0.0859	0.106		mg/Kg	☼	100	80 - 120		

Lab Sample ID: 460-235318-E-1-F DU
Matrix: Solid
Analysis Batch: 781783

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 781662

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.020			0.0208		mg/Kg	☼			3	20

Lab Sample ID: MB 460-782153/10-A
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/04/21 03:12	06/04/21 06:46	1

Lab Sample ID: LCSSRM 460-782153/11-A ^40
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782153

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.27		mg/Kg		98.9	71.7 - 128.3		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-234857-A-10-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782256 — **Prep Batch: 782153**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0099	J	0.0849	0.0940		mg/Kg	☼	99	80 - 120

Lab Sample ID: 460-234857-A-10-E DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782256 — **Prep Batch: 782153**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0099	J	0.0116	J	mg/Kg	☼	16	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-235119-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 780976

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Lab Sample ID: 460-234962-B-17 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781366

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Lab Sample ID: 460-235058-D-35 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781806

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Lab Sample ID: 460-235363-2 DU — **Client Sample ID: WCR-9 (0-8)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 781809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-135816/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			06/09/21 10:29	1

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 410-135816/2
Matrix: Solid
Analysis Batch: 135816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	34.50		mg/L		86	78 - 114

Lab Sample ID: LCSD 410-135816/3
Matrix: Solid
Analysis Batch: 135816

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	35.10		mg/L		88	78 - 114	2	13

Lab Sample ID: 460-235934-D-2 MS
Matrix: Solid
Analysis Batch: 135816

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	5.0	U	40.0	30.40	N	mg/L		76	78 - 114

Lab Sample ID: MB 410-137113/1
Matrix: Solid
Analysis Batch: 137113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			06/11/21 21:29	1

Lab Sample ID: LCS 410-137113/2
Matrix: Solid
Analysis Batch: 137113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	34.90		mg/L		87	78 - 114

Lab Sample ID: LCSD 410-137113/3
Matrix: Solid
Analysis Batch: 137113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	35.50		mg/L		89	78 - 114	2	13

Lab Sample ID: 410-42473-G-1 MS
Matrix: Solid
Analysis Batch: 137113

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	1.9	J	54.1	41.62	N	mg/L		77	78 - 114

Lab Sample ID: MB 410-137609/1
Matrix: Solid
Analysis Batch: 137609

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			06/14/21 17:15	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: LCS 410-137609/2
Matrix: Solid
Analysis Batch: 137609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM			40.0	35.10		mg/L		88	78 - 114		

Lab Sample ID: LCSD 410-137609/3
Matrix: Solid
Analysis Batch: 137609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM			40.0	35.30		mg/L		88	78 - 114	1	13

Lab Sample ID: 410-42469-G-1 MS
Matrix: Solid
Analysis Batch: 137609

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM	3.0	J	47.6	36.79	N	mg/L		71	78 - 114		

Method: 410.4 - COD

Lab Sample ID: MB 460-781637/4
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1

Lab Sample ID: LCSSRM 460-781637/5
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			103	104.8		mg/Kg		101.7	76.6 - 120.4		

Lab Sample ID: MRL 460-781637/3
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			10.0	10.0	U	mg/L		97			

Lab Sample ID: MB 460-782371/4
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1

Method: 410.4 - COD (Continued)

Lab Sample ID: LCSSRM 460-782371/5
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	103	101.6		mg/Kg		98.6	76.6 - 120.4

Lab Sample ID: MRL 460-782371/3
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10.0	10.0	U	mg/L		100	

Lab Sample ID: 460-235455-D-1 MS
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	39.0		50.0	84.15		mg/Kg		90	90 - 110

Lab Sample ID: 460-235455-D-1 MSD
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	39.0		50.0	84.80		mg/Kg		92	90 - 110	1	10

Lab Sample ID: LB 460-781104/1-A
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1

Lab Sample ID: LB 460-781413/1-A
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/01/21 21:18	1

Lab Sample ID: 460-235054-1 MS
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: WCR-1
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	15.5		50.0	61.58		mg/Kg		92	90 - 110

Method: 410.4 - COD (Continued)

Lab Sample ID: 460-235054-1 MSD
Matrix: Solid
Analysis Batch: 781637

Client Sample ID: WCR-1
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	15.5		50.0	62.87		mg/Kg		95	90 - 110	2	10

Lab Sample ID: LB 460-781602/1-A
Matrix: Solid
Analysis Batch: 782371

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/04/21 20:16	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-782622/109
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:19	1

Lab Sample ID: MB 460-782622/73
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 16:53	1

Lab Sample ID: LCS 460-782622/110
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.13		mg/L		107	89 - 113

Lab Sample ID: LCS 460-782622/74
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.09		mg/L		105	89 - 113

Lab Sample ID: MRL 460-782622/12
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.100	0.0931	J	mg/L		93	50 - 150

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: LB 460-781104/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 18:17	1

Lab Sample ID: LB 460-781412/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0	U	2.0	1.0	mg/L			06/06/21 17:23	1

Lab Sample ID: LB 460-781413/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:49	1

Lab Sample ID: LB 460-781602/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:28	1

Lab Sample ID: LB 460-782118/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 16:56	1

Lab Sample ID: LB 460-782528/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0	U	2.0	1.0	mg/L			06/06/21 17:19	1

Lab Sample ID: 460-235054-2 MS
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: WCR-2
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.29	N	mg/L		115	89 - 113

Lab Sample ID: 460-235054-2 MSD
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: WCR-2
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.28	N	mg/L		114	89 - 113	0	10

Method: 4500 NH3 H - Ammonia

Lab Sample ID: 460-235697-H-2-A MS
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Matrix Spike
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.21		mg/L		111	89 - 113

Lab Sample ID: 460-235697-H-2-A MSD
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.21		mg/L		111	89 - 113	0	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-132221/1-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		05/29/21 02:34	05/30/21 03:25	1

Lab Sample ID: LCS 410-132221/2-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.84		mg/Kg		97	80 - 120

Lab Sample ID: LCSI 410-132221/3-A
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	720	684.8		mg/Kg		95	80 - 120

Lab Sample ID: 460-233537-C-11-G MSS
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	7.6		44.1	48.11		mg/Kg	☼	92	75 - 125

Lab Sample ID: 460-233537-C-11-H MSI
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	7.6		1040	992.3		mg/Kg	☼	95	75 - 125

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 460-233537-C-11-J DU
Matrix: Solid
Analysis Batch: 132298

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 132221

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	7.6		7.51		mg/Kg	☼	0.7	20

Lab Sample ID: MB 410-134956/1-A
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 134956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		06/07/21 18:31	06/08/21 00:34	1

Lab Sample ID: LCS 410-134956/2-A
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.95		mg/Kg		99	80 - 120

Lab Sample ID: LCSI 410-134956/3-A
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134956

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	830	845.1		mg/Kg		102	80 - 120

Lab Sample ID: 410-41316-E-7-B MSS
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 134956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.45	U	41.3	40.61		mg/Kg	☼	98	75 - 125

Lab Sample ID: 410-41316-E-7-C MSI
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 134956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.45	U	908	857.5		mg/Kg	☼	94	75 - 125

Lab Sample ID: 410-41316-E-7-E DU
Matrix: Solid
Analysis Batch: 135047

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 134956

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.45	U	0.47	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-780735/1-A
Matrix: Solid
Analysis Batch: 780831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/27/21 15:05	05/27/21 18:53	1

Lab Sample ID: LCSSRM 460-780735/2-A ^20
Matrix: Solid
Analysis Batch: 780831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780735

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	66.24		mg/Kg		70.2	29.4 - 117.7

Lab Sample ID: 460-235054-1 MS
Matrix: Solid
Analysis Batch: 780831

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.23	U	4.67	6.10	N	mg/Kg	☼	131	11 - 108

Lab Sample ID: 460-235054-1 MSD
Matrix: Solid
Analysis Batch: 780831

Client Sample ID: WCR-1
Prep Type: Total/NA
Prep Batch: 780735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.23	U	5.42	7.21	N	mg/Kg	☼	133	11 - 108	17	40

Lab Sample ID: MB 460-781034/1-A
Matrix: Solid
Analysis Batch: 781209

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/28/21 16:29	05/29/21 14:19	1

Lab Sample ID: LCSSRM 460-781034/2-A
Matrix: Solid
Analysis Batch: 781209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781034

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	67.68		mg/Kg		71.8	29.4 - 117.7

Lab Sample ID: 460-235137-H-1-E MS
Matrix: Solid
Analysis Batch: 781209

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.63		5.85	1.21	N	mg/Kg	☼	10	11 - 108

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-235137-H-1-F MSD
Matrix: Solid
Analysis Batch: 781209

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.63		5.85	2.83	N	mg/Kg	☼	38	11 - 108	80	40

Lab Sample ID: MB 460-781318/1-A
Matrix: Solid
Analysis Batch: 781524

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		05/30/21 11:52	06/01/21 12:55	1

Lab Sample ID: LCSSRM 460-781318/2-A ^20
Matrix: Solid
Analysis Batch: 781524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781318

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	94.3	73.92		mg/Kg		78.4	29.4 - 117.7

Lab Sample ID: 460-235503-A-88-B MS
Matrix: Solid
Analysis Batch: 781524

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.27	U	5.42	6.18	N	mg/Kg	☼	114	11 - 108

Lab Sample ID: 460-235503-A-88-C MSD
Matrix: Solid
Analysis Batch: 781524

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.27	U	5.42	6.24	N	mg/Kg	☼	115	11 - 108	1	40

Lab Sample ID: MB 460-782244/2-A
Matrix: Solid
Analysis Batch: 782350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/04/21 09:45	06/04/21 17:14	1

Lab Sample ID: LCSSRM 460-782244/3-A
Matrix: Solid
Analysis Batch: 782350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782244

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	95.3	79.20		mg/Kg		83.1	23.7 - 123.8

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-235430-E-3-B MS
Matrix: Solid
Analysis Batch: 782350

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.17	J	5.73	5.58		mg/Kg	☼	94	11 - 108

Lab Sample ID: 460-235430-E-3-C MSD
Matrix: Solid
Analysis Batch: 782350

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.17	J	5.73	5.58		mg/Kg	☼	94	11 - 108	0	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-781061/1-A
Matrix: Solid
Analysis Batch: 781064

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781061

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/28/21 17:29	05/28/21 17:37	1

Lab Sample ID: LCS 460-781061/2-A
Matrix: Solid
Analysis Batch: 781064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-235119-A-1-N DU
Matrix: Solid
Analysis Batch: 781064

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 781061

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Lab Sample ID: MB 460-782010/1-A
Matrix: Solid
Analysis Batch: 782078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782010

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/03/21 10:15	06/03/21 17:32	1

Lab Sample ID: LCS 460-782010/2-A
Matrix: Solid
Analysis Batch: 782078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: 460-235037-B-19-I DU
Matrix: Solid
Analysis Batch: 782078

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782010

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Lab Sample ID: MB 460-782329/1-A
Matrix: Solid
Analysis Batch: 782331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782329

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/04/21 16:31	06/04/21 16:36	1

Lab Sample ID: LCS 460-782329/2-A
Matrix: Solid
Analysis Batch: 782331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-234727-A-1-T DU
Matrix: Solid
Analysis Batch: 782331

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782329

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-781060/1-A
Matrix: Solid
Analysis Batch: 781062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781060

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/28/21 17:25	05/28/21 17:33	1

Lab Sample ID: LCSSRM 460-781060/3-A
Matrix: Solid
Analysis Batch: 781062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781060

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	60.47		mg/Kg		96.6	44.9 - 144.2

Lab Sample ID: 460-235119-A-1-K MS
Matrix: Solid
Analysis Batch: 781062

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	371	340.4		mg/Kg		92	64 - 136

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-235119-A-1-L MSD
Matrix: Solid
Analysis Batch: 781062

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	371	332.8		mg/Kg		90	64 - 136	2	10

Lab Sample ID: MB 460-782008/1-A
Matrix: Solid
Analysis Batch: 782075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782008

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/03/21 10:10	06/03/21 16:59	1

Lab Sample ID: LCSSRM 460-782008/3-A
Matrix: Solid
Analysis Batch: 782075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782008

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	63.67		mg/Kg		101.7	44.9 - 144.2

Lab Sample ID: 460-235037-B-19-F MS
Matrix: Solid
Analysis Batch: 782075

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782008

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	460	351.2		mg/Kg		76	64 - 136

Lab Sample ID: 460-235037-B-19-G MSD
Matrix: Solid
Analysis Batch: 782075

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782008

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	460	336.1		mg/Kg		73	64 - 136	4	10

Lab Sample ID: MB 460-782326/1-A
Matrix: Solid
Analysis Batch: 782330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782326

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/04/21 16:27	06/04/21 16:34	1

Lab Sample ID: LCSSRM 460-782326/3-A
Matrix: Solid
Analysis Batch: 782330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782326

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	63.67		mg/Kg		101.7	44.9 - 144.2

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-234727-A-1-Q MS
Matrix: Solid
Analysis Batch: 782330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	430	328.5		mg/Kg		76	64 - 136

Lab Sample ID: 460-234727-A-1-R MSD
Matrix: Solid
Analysis Batch: 782330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	430	320.9		mg/Kg		75	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-781027/2
Matrix: Solid
Analysis Batch: 781027

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7				SU			05/28/21 13:20	1
Corrosivity	5.7				SU			05/28/21 13:20	1

Lab Sample ID: LCSSRM 460-781027/3
Matrix: Solid
Analysis Batch: 781027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	8.31	8.2		SU		99.0	97.6 - 102.4
Corrosivity	8.31	8.2		SU		99.0	97.6 - 102.4

Lab Sample ID: 460-234564-B-1 DU
Matrix: Solid
Analysis Batch: 781027

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.1		7.1		SU		0.7	10
Corrosivity	7.1		7.1		SU		0.7	10

Lab Sample ID: MB 460-782281/2
Matrix: Solid
Analysis Batch: 782281

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.5				SU			06/04/21 12:55	1
Corrosivity	6.5				SU			06/04/21 12:55	1

Method: 9045D - pH (Continued)

Lab Sample ID: LCSSRM 460-782281/3
Matrix: Solid
Analysis Batch: 782281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.7	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.7	97.6 - 102.4		

Lab Sample ID: 460-235507-B-5 DU
Matrix: Solid
Analysis Batch: 782281

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.0			8.0		SU				0.6	10
Corrosivity	8.0			8.0		SU				0.6	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-131706/1-A
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		05/28/21 13:00	05/28/21 20:49	1

Lab Sample ID: LCS 410-131706/2-A
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease			4970	4905		mg/Kg		99	91 - 111		

Lab Sample ID: 460-235054-3 MS
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: WCR-3
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease	702		5410	5393	N	mg/Kg	☼	87	91 - 111		

Lab Sample ID: 460-235054-3 MSD
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: WCR-3
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	702		5280	5269	N	mg/Kg	☼	87	91 - 111	2	26

Lab Sample ID: 460-235054-3 DU
Matrix: Solid
Analysis Batch: 132210

Client Sample ID: WCR-3
Prep Type: Total/NA
Prep Batch: 131706

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Oil & Grease	702			538.3	J	mg/Kg	☼			26	20

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: MB 410-133267/1-A
Matrix: Solid
Analysis Batch: 133694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 133267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	598	U	598	199	mg/Kg		06/02/21 20:30	06/03/21 08:51	1

Lab Sample ID: LCS 410-133267/2-A
Matrix: Solid
Analysis Batch: 133694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	5040		mg/Kg		101	91 - 111

Lab Sample ID: 460-235271-4 MS
Matrix: Solid
Analysis Batch: 133694

Client Sample ID: WCR-7 (0-8)
Prep Type: Total/NA
Prep Batch: 133267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	398	J	5240	4913	N	mg/Kg	☼	86	91 - 111

Lab Sample ID: 460-235271-4 MSD
Matrix: Solid
Analysis Batch: 133694

Client Sample ID: WCR-7 (0-8)
Prep Type: Total/NA
Prep Batch: 133267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	398	J	5240	4884	N	mg/Kg	☼	86	91 - 111	1	26

Lab Sample ID: 460-235271-4 DU
Matrix: Solid
Analysis Batch: 133694

Client Sample ID: WCR-7 (0-8)
Prep Type: Total/NA
Prep Batch: 133267

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	398	J	394.3	J	mg/Kg	☼	0.8	20

Lab Sample ID: MB 410-135483/1-A
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		06/08/21 19:45	06/09/21 12:42	1

Lab Sample ID: LCS 410-135483/2-A
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	4850		mg/Kg		97	91 - 111

Lab Sample ID: 460-235697-B-2-B MS
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	412	J	5300	4354	N	mg/Kg	☼	74	91 - 111

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: 460-235697-B-2-C MSD
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	412	J	5370	4507	N	mg/Kg	☼	76	91 - 111	3	26

Lab Sample ID: 460-235697-B-2-D DU
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	412	J	640	U	mg/Kg	☼	NC	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-235068-E-1 DU
Matrix: Solid
Analysis Batch: 780977

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Lab Sample ID: 460-235037-B-19 DU
Matrix: Solid
Analysis Batch: 782006

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-235054-5 DU
Matrix: Solid
Analysis Batch: 780448

Client Sample ID: WCR-4D (5-7)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.9		5.0		%		2	20
Percent Solids	95.1		95.0		%		0.1	20

Lab Sample ID: 460-235271-4 DU
Matrix: Solid
Analysis Batch: 780961

Client Sample ID: WCR-7 (0-8)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.5		5.6		%		2	20
Percent Solids	94.5		94.4		%		0.1	20

Lab Sample ID: 460-235410-D-4 DU
Matrix: Solid
Analysis Batch: 781198

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.9		14.9		%		7	20
Percent Solids	86.1		85.1		%		1	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-235390-A-4 DU
Matrix: Solid
Analysis Batch: 781497

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.4		14.9		%		3	20
Percent Solids	84.6		85.1		%		0.5	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-781487/1
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/01/21 09:43	1

Lab Sample ID: LCSSRM 460-781487/2
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	765.0		mg/L		101.2	89.9 - 110.1

Lab Sample ID: MRL 460-781487/3
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		119	50 - 150

Lab Sample ID: MB 460-781819/1
Matrix: Solid
Analysis Batch: 781819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/02/21 14:53	1

Lab Sample ID: LCSSRM 460-781819/2
Matrix: Solid
Analysis Batch: 781819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	762.0		mg/L		100.8	89.9 - 110.1

Lab Sample ID: MRL 460-781819/3
Matrix: Solid
Analysis Batch: 781819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		106	50 - 150

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: LB 460-781104/1-A
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	15.00		10.0	10.0	mg/L			06/01/21 09:43	1

Lab Sample ID: LB 460-781413/1-A
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/01/21 13:27	1

Lab Sample ID: 460-235054-1 DU
Matrix: Solid
Analysis Batch: 781487

Client Sample ID: WCR-1
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	145		135.0	*	mg/L		10	5

Lab Sample ID: LB 460-781602/1-A
Matrix: Solid
Analysis Batch: 781819

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/02/21 14:53	1

Lab Sample ID: 460-235449-B-1-B DU
Matrix: Solid
Analysis Batch: 781819

Client Sample ID: Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	459		457.0		mg/L		0.4	5

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-780339/1
Matrix: Solid
Analysis Batch: 780339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/26/21 07:27	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/26/21 07:27	1

Lab Sample ID: 460-235037-B-19 DU
Matrix: Solid
Analysis Batch: 780339

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	92.6		93.05		%		0.4	5
Total Volatile Solids	3.8		3.64		%		4	5

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: MB 460-780970/1
Matrix: Solid
Analysis Batch: 780970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			05/28/21 10:44	1
Total Volatile Solids	0.10	U	0.10	0.10	%			05/28/21 10:44	1

Lab Sample ID: 460-235271-3 DU
Matrix: Solid
Analysis Batch: 780970

Client Sample ID: WCR-6 (0-8)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	94.3		94.27		%		0.05	5
Total Volatile Solids	1.2		1.11	*	%		12	5

Lab Sample ID: MB 460-781484/1
Matrix: Solid
Analysis Batch: 781484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/01/21 09:03	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/01/21 09:03	1

Lab Sample ID: 460-235363-1 DU
Matrix: Solid
Analysis Batch: 781484

Client Sample ID: WCR-8 (0-8)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	85.5		84.92		%		0.6	5
Total Volatile Solids	1.0		0.870		%		5	5

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Prep Batch: 780271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-5	WCR-4D (5-7)	Total/NA	Solid	5035	
460-235054-6	WCR-3C (5-7)	Total/NA	Solid	5035	
460-235054-7	WCR-6B (5-7)	Total/NA	Solid	5035	
LB3 460-780271/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 780344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-5	WCR-4D (5-7)	Total/NA	Solid	8260D	780271
460-235054-6	WCR-3C (5-7)	Total/NA	Solid	8260D	780271
460-235054-7	WCR-6B (5-7)	Total/NA	Solid	8260D	780271
LB3 460-780271/1-A	Method Blank	Total/NA	Solid	8260D	780271
MB 460-780344/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-780344/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780344/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 780644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-5	WCR-4D (5-7)	TCLP	Solid	1311	
460-235054-6	WCR-3C (5-7)	TCLP	Solid	1311	
460-235054-7	WCR-6B (5-7)	TCLP	Solid	1311	
LB 460-780644/1-A	Method Blank	TCLP	Solid	1311	

Prep Batch: 780789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-2	WCR-5C (5-7)	Total/NA	Solid	5035	
460-235271-5	WCR-7B (6-8)	Total/NA	Solid	5035	
LB3 460-780789/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 780895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-2	WCR-5C (5-7)	TCLP	Solid	1311	
460-235271-5	WCR-7B (6-8)	TCLP	Solid	1311	
LB 460-780895/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 780934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-5	WCR-4D (5-7)	TCLP	Solid	8260D	780644
460-235054-6	WCR-3C (5-7)	TCLP	Solid	8260D	780644
460-235054-7	WCR-6B (5-7)	TCLP	Solid	8260D	780644
LB 460-780644/1-A	Method Blank	TCLP	Solid	8260D	780644
MB 460-780934/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-780934/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-780934/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 781038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-3	WCR-8C (5-7)	Total/NA	Solid	5035	
460-235363-4	WCR-9D (5-7)	Total/NA	Solid	5035	
LB3 460-781038/2-A	Method Blank	Total/NA	Solid	5035	

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Analysis Batch: 781145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-2	WCR-5C (5-7)	Total/NA	Solid	8260D	780789
460-235271-5	WCR-7B (6-8)	Total/NA	Solid	8260D	780789
LB3 460-780789/1-A	Method Blank	Total/NA	Solid	8260D	780789
MB 460-781145/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-781145/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781145/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 781155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-2	WCR-5C (5-7)	TCLP	Solid	8260D	780895
460-235271-5	WCR-7B (6-8)	TCLP	Solid	8260D	780895
MB 460-781155/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-781155/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781155/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 781159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-780895/1-A	Method Blank	TCLP	Solid	8260D	780895
MB 460-781159/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-781159/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781159/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 781286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-2	WCR-10D (6-8)	Total/NA	Solid	5035	
460-235434-4	WCR-11A (5-7)	Total/NA	Solid	5035	
LB3 460-781286/2-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 781295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-6	WCR-12A (5-7)	Total/NA	Solid	5035	

Leach Batch: 781676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-3	WCR-8C (5-7)	TCLP	Solid	1311	
460-235363-4	WCR-9D (5-7)	TCLP	Solid	1311	
LB 460-781676/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 781741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-3	WCR-8C (5-7)	Total/NA	Solid	8260D	781038
460-235363-4	WCR-9D (5-7)	Total/NA	Solid	8260D	781038
LB3 460-781038/2-A	Method Blank	Total/NA	Solid	8260D	781038
MB 460-781741/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-781741/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781741/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 781753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-2	WCR-10D (6-8)	Total/NA	Solid	8260D	781286
460-235434-4	WCR-11A (5-7)	Total/NA	Solid	8260D	781286

GC/MS VOA (Continued)

Analysis Batch: 781753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-6	WCR-12A (5-7)	Total/NA	Solid	8260D	781295
LB3 460-781286/2-A	Method Blank	Total/NA	Solid	8260D	781286
MB 460-781753/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-781753/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781753/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 781950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781676/1-A	Method Blank	TCLP	Solid	8260D	781676
MB 460-781950/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-781950/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-781950/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 781952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-2	WCR-10D (6-8)	TCLP	Solid	1311	
460-235434-4	WCR-11A (5-7)	TCLP	Solid	1311	
460-235434-6	WCR-12A (5-7)	TCLP	Solid	1311	
LB 460-781952/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 782178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-3	WCR-8C (5-7)	TCLP	Solid	8260D	781676
460-235363-4	WCR-9D (5-7)	TCLP	Solid	8260D	781676
460-235434-2	WCR-10D (6-8)	TCLP	Solid	8260D	781952
460-235434-4	WCR-11A (5-7)	TCLP	Solid	8260D	781952
460-235434-6	WCR-12A (5-7)	TCLP	Solid	8260D	781952
LB 460-781952/1-A	Method Blank	TCLP	Solid	8260D	781952
MB 460-782178/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-782178/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782178/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 780217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	8270E	780250
460-235054-2	WCR-2	Total/NA	Solid	8270E	780250
460-235054-3	WCR-3	Total/NA	Solid	8270E	780250
460-235054-4	WCR-4	Total/NA	Solid	8270E	780250
MB 460-780250/1-A	Method Blank	Total/NA	Solid	8270E	780250
LCS 460-780250/2-A	Lab Control Sample	Total/NA	Solid	8270E	780250
LCSD 460-780250/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	780250
460-234863-H-1-A MS	Matrix Spike	Total/NA	Solid	8270E	780250
460-234863-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	780250

Prep Batch: 780250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3546	
460-235054-2	WCR-2	Total/NA	Solid	3546	
460-235054-3	WCR-3	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 780250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-4	WCR-4	Total/NA	Solid	3546	
MB 460-780250/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-780250/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-780250/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234863-H-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-234863-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 780555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	1311	
460-235054-2	WCR-2	TCLP	Solid	1311	
460-235054-3	WCR-3	TCLP	Solid	1311	
460-235054-4	WCR-4	TCLP	Solid	1311	
LB 460-780555/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 780679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	3510C	780555
460-235054-2	WCR-2	TCLP	Solid	3510C	780555
460-235054-3	WCR-3	TCLP	Solid	3510C	780555
460-235054-4	WCR-4	TCLP	Solid	3510C	780555
LB 460-780555/1-B	Method Blank	TCLP	Solid	3510C	780555
MB 460-780679/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-780679/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-780679/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 780752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	8270E	780679
460-235054-2	WCR-2	TCLP	Solid	8270E	780679
460-235054-3	WCR-3	TCLP	Solid	8270E	780679
460-235054-4	WCR-4	TCLP	Solid	8270E	780679
LB 460-780555/1-B	Method Blank	TCLP	Solid	8270E	780679
MB 460-780679/1-A	Method Blank	Total/NA	Solid	8270E	780679
LCS 460-780679/2-A	Lab Control Sample	Total/NA	Solid	8270E	780679
LCSD 460-780679/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	780679

Prep Batch: 780798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3546	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3546	
MB 460-780798/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-780798/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-780798/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234999-A-4-B MS	Matrix Spike	Total/NA	Solid	3546	
460-234999-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 780920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	8270E	780798

GC/MS Semi VOA (Continued)

Analysis Batch: 780920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	8270E	780798
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	8270E	780798
MB 460-780798/1-A	Method Blank	Total/NA	Solid	8270E	780798
LCS 460-780798/2-A	Lab Control Sample	Total/NA	Solid	8270E	780798
LCSD 460-780798/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	780798
460-234999-A-4-B MS	Matrix Spike	Total/NA	Solid	8270E	780798
460-234999-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	780798

Prep Batch: 781083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3546	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3546	
MB 460-781083/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781083/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781083/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235378-E-1-H MS	Matrix Spike	Total/NA	Solid	3546	
460-235378-E-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 781094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	1311	
460-235271-3	WCR-6 (0-8)	TCLP	Solid	1311	
460-235271-4	WCR-7 (0-8)	TCLP	Solid	1311	
LB 460-781094/1-B	Method Blank	TCLP	Solid	1311	

Analysis Batch: 781108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-781083/1-A	Method Blank	Total/NA	Solid	8270E	781083
LCS 460-781083/2-A	Lab Control Sample	Total/NA	Solid	8270E	781083
LCSD 460-781083/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	781083
460-235378-E-1-H MS	Matrix Spike	Total/NA	Solid	8270E	781083
460-235378-E-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	781083

Prep Batch: 781150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	3510C	781094
460-235271-3	WCR-6 (0-8)	TCLP	Solid	3510C	781094
460-235271-4	WCR-7 (0-8)	TCLP	Solid	3510C	781094
LB 460-781094/1-B	Method Blank	TCLP	Solid	3510C	781094
MB 460-781150/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-781150/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-781150/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 781240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	8270E	781150
460-235271-3	WCR-6 (0-8)	TCLP	Solid	8270E	781150
LB 460-781094/1-B	Method Blank	TCLP	Solid	8270E	781150
MB 460-781150/1-A	Method Blank	Total/NA	Solid	8270E	781150
LCS 460-781150/2-A	Lab Control Sample	Total/NA	Solid	8270E	781150
LCSD 460-781150/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	781150

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Prep Batch: 781326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3546	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3546	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3546	
MB 460-781326/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781326/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781326/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235318-E-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-235318-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 781354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-4	WCR-7 (0-8)	TCLP	Solid	8270E	781150

Analysis Batch: 781376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	8270E	781326
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	8270E	781326
MB 460-781326/1-A	Method Blank	Total/NA	Solid	8270E	781326
LCS 460-781326/2-A	Lab Control Sample	Total/NA	Solid	8270E	781326
LCSD 460-781326/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	781326
460-235318-E-1-B MS	Matrix Spike	Total/NA	Solid	8270E	781326
460-235318-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	781326

Analysis Batch: 781379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	8270E	781083
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	8270E	781083

Analysis Batch: 781572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	8270E	781326

Leach Batch: 781595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	1311	
460-235363-2	WCR-9 (0-8)	TCLP	Solid	1311	
LB 460-781595/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 781773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	3510C	781595
460-235363-2	WCR-9 (0-8)	TCLP	Solid	3510C	781595
LB 460-781595/1-B	Method Blank	TCLP	Solid	3510C	781595
MB 460-781773/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-781773/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-781773/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 781862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	8270E	781773
460-235363-2	WCR-9 (0-8)	TCLP	Solid	8270E	781773

GC/MS Semi VOA (Continued)

Analysis Batch: 781862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781595/1-B	Method Blank	TCLP	Solid	8270E	781773
MB 460-781773/1-A	Method Blank	Total/NA	Solid	8270E	781773
LCS 460-781773/2-A	Lab Control Sample	Total/NA	Solid	8270E	781773
LCSD 460-781773/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	781773

Leach Batch: 781898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	1311	
460-235434-3	WCR-11 (0-8)	TCLP	Solid	1311	
460-235434-5	WCR-12 (0-8)	TCLP	Solid	1311	
LB 460-781898/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 782004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	3510C	781898
460-235434-3	WCR-11 (0-8)	TCLP	Solid	3510C	781898
460-235434-5	WCR-12 (0-8)	TCLP	Solid	3510C	781898
LB 460-781898/1-B	Method Blank	TCLP	Solid	3510C	781898
MB 460-782004/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782004/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782004/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 782090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	8270E	782004
460-235434-3	WCR-11 (0-8)	TCLP	Solid	8270E	782004
460-235434-5	WCR-12 (0-8)	TCLP	Solid	8270E	782004
LB 460-781898/1-B	Method Blank	TCLP	Solid	8270E	782004
MB 460-782004/1-A	Method Blank	Total/NA	Solid	8270E	782004
LCS 460-782004/2-A	Lab Control Sample	Total/NA	Solid	8270E	782004
LCSD 460-782004/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782004

GC Semi VOA

Prep Batch: 780237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3546	
460-235054-2	WCR-2	Total/NA	Solid	3546	
460-235054-3	WCR-3	Total/NA	Solid	3546	
460-235054-4	WCR-4	Total/NA	Solid	3546	
MB 460-780237/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-780237/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-780237/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-234858-A-2-B MS	Matrix Spike	Total/NA	Solid	3546	
460-234858-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 780239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3546	
460-235054-2	WCR-2	Total/NA	Solid	3546	
460-235054-3	WCR-3	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 780239 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-4	WCR-4	Total/NA	Solid	3546	
MB 460-780239/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-780239/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-780239/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235001-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235001-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 780241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3546	
460-235054-2	WCR-2	Total/NA	Solid	3546	
460-235054-3	WCR-3	Total/NA	Solid	3546	
460-235054-4	WCR-4	Total/NA	Solid	3546	
MB 460-780241/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-780241/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-780241/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 780289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	8081B	780239
460-235054-2	WCR-2	Total/NA	Solid	8081B	780239
460-235054-3	WCR-3	Total/NA	Solid	8081B	780239
460-235054-4	WCR-4	Total/NA	Solid	8081B	780239
MB 460-780239/1-A	Method Blank	Total/NA	Solid	8081B	780239
LCS 460-780239/2-A	Lab Control Sample	Total/NA	Solid	8081B	780239
LCSD 460-780239/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	780239
460-235001-A-1-A MS	Matrix Spike	Total/NA	Solid	8081B	780239
460-235001-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	780239

Analysis Batch: 780320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	NJDEP EPH	780241
460-235054-2	WCR-2	Total/NA	Solid	NJDEP EPH	780241
460-235054-3	WCR-3	Total/NA	Solid	NJDEP EPH	780241
460-235054-4	WCR-4	Total/NA	Solid	NJDEP EPH	780241
MB 460-780241/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	780241
LCS 460-780241/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	780241
LCSD 460-780241/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	780241

Analysis Batch: 780383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	8082A	780237
460-235054-2	WCR-2	Total/NA	Solid	8082A	780237
460-235054-3	WCR-3	Total/NA	Solid	8082A	780237
460-235054-4	WCR-4	Total/NA	Solid	8082A	780237
MB 460-780237/1-A	Method Blank	Total/NA	Solid	8082A	780237
LCS 460-780237/2-A	Lab Control Sample	Total/NA	Solid	8082A	780237
LCSD 460-780237/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	780237
460-234858-A-2-B MS	Matrix Spike	Total/NA	Solid	8082A	780237
460-234858-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	780237

GC Semi VOA

Leach Batch: 780555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	1311	
460-235054-2	WCR-2	TCLP	Solid	1311	
460-235054-3	WCR-3	TCLP	Solid	1311	
460-235054-4	WCR-4	TCLP	Solid	1311	
LB 460-780555/1-G	Method Blank	TCLP	Solid	1311	
LB 460-780555/1-H	Method Blank	TCLP	Solid	1311	

Prep Batch: 780565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	8151A	
460-235054-2	WCR-2	Total/NA	Solid	8151A	
460-235054-3	WCR-3	Total/NA	Solid	8151A	
460-235054-4	WCR-4	Total/NA	Solid	8151A	
MB 460-780565/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-780565/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-780565/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-235054-1 MS	WCR-1	Total/NA	Solid	8151A	
460-235054-1 MSD	WCR-1	Total/NA	Solid	8151A	

Analysis Batch: 780624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	8151A	780565
460-235054-2	WCR-2	Total/NA	Solid	8151A	780565
460-235054-3	WCR-3	Total/NA	Solid	8151A	780565
460-235054-4	WCR-4	Total/NA	Solid	8151A	780565
MB 460-780565/1-A	Method Blank	Total/NA	Solid	8151A	780565
LCS 460-780565/2-A	Lab Control Sample	Total/NA	Solid	8151A	780565
LCSD 460-780565/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	780565
460-235054-1 MS	WCR-1	Total/NA	Solid	8151A	780565
460-235054-1 MSD	WCR-1	Total/NA	Solid	8151A	780565

Analysis Batch: 780809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	8081B	780844
460-235054-2	WCR-2	TCLP	Solid	8081B	780844
460-235054-3	WCR-3	TCLP	Solid	8081B	780844
460-235054-4	WCR-4	TCLP	Solid	8081B	780844
LB 460-780555/1-G	Method Blank	TCLP	Solid	8081B	780844
MB 460-780844/1-A	Method Blank	Total/NA	Solid	8081B	780844
LCS 460-780844/2-A	Lab Control Sample	Total/NA	Solid	8081B	780844
LCSD 460-780844/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	780844

Prep Batch: 780844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	3510C	780555
460-235054-2	WCR-2	TCLP	Solid	3510C	780555
460-235054-3	WCR-3	TCLP	Solid	3510C	780555
460-235054-4	WCR-4	TCLP	Solid	3510C	780555
LB 460-780555/1-G	Method Blank	TCLP	Solid	3510C	780555
MB 460-780844/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-780844/2-A	Lab Control Sample	Total/NA	Solid	3510C	

GC Semi VOA (Continued)

Prep Batch: 780844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-780844/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 780850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	8151A	780555
460-235054-2	WCR-2	TCLP	Solid	8151A	780555
460-235054-3	WCR-3	TCLP	Solid	8151A	780555
460-235054-4	WCR-4	TCLP	Solid	8151A	780555
LB 460-780555/1-H	Method Blank	TCLP	Solid	8151A	780555
MB 460-780850/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-780850/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-780850/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 780851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	8151A	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	8151A	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	8151A	
MB 460-780851/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-780851/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-780851/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 780898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	8151A	780851
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	8151A	780851
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	8151A	780851
MB 460-780851/1-A	Method Blank	Total/NA	Solid	8151A	780851
LCS 460-780851/2-A	Lab Control Sample	Total/NA	Solid	8151A	780851
LCSD 460-780851/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	780851

Analysis Batch: 780899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	8151A	780850
460-235054-2	WCR-2	TCLP	Solid	8151A	780850
460-235054-3	WCR-3	TCLP	Solid	8151A	780850
460-235054-4	WCR-4	TCLP	Solid	8151A	780850
LB 460-780555/1-H	Method Blank	TCLP	Solid	8151A	780850
MB 460-780850/1-A	Method Blank	Total/NA	Solid	8151A	780850
LCS 460-780850/2-A	Lab Control Sample	Total/NA	Solid	8151A	780850
LCSD 460-780850/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	780850

Analysis Batch: 781028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	8082A	781077
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	8082A	781077
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	8082A	781077
MB 460-781077/1-A	Method Blank	Total/NA	Solid	8082A	781077
LCS 460-781077/2-A	Lab Control Sample	Total/NA	Solid	8082A	781077
LCSD 460-781077/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	781077
460-235271-1 MS	WCR-5 (0-8)	Total/NA	Solid	8082A	781077

GC Semi VOA (Continued)

Analysis Batch: 781028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1 MSD	WCR-5 (0-8)	Total/NA	Solid	8082A	781077

Analysis Batch: 781029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	8082A	781078
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	8082A	781078
MB 460-781078/1-A	Method Blank	Total/NA	Solid	8082A	781078
LCS 460-781078/2-A	Lab Control Sample	Total/NA	Solid	8082A	781078
LCSD 460-781078/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	781078
460-235302-A-1-A MS	Matrix Spike	Total/NA	Solid	8082A	781078
460-235302-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	781078

Prep Batch: 781077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3546	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3546	
MB 460-781077/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781077/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781077/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235271-1 MS	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-1 MSD	WCR-5 (0-8)	Total/NA	Solid	3546	

Prep Batch: 781078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3546	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3546	
MB 460-781078/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781078/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781078/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235302-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235302-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 781082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3546	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3546	
MB 460-781082/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781082/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781082/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235271-1 MS	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-1 MSD	WCR-5 (0-8)	Total/NA	Solid	3546	

Prep Batch: 781084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3546	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3546	
MB 460-781084/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781084/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781084/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 781084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235302-A-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-235302-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 781094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	1311	
460-235271-3	WCR-6 (0-8)	TCLP	Solid	1311	
460-235271-4	WCR-7 (0-8)	TCLP	Solid	1311	
LB 460-781094/1-C	Method Blank	TCLP	Solid	1311	
LB 460-781094/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 781125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	8151A	781094
460-235271-3	WCR-6 (0-8)	TCLP	Solid	8151A	781094
460-235271-4	WCR-7 (0-8)	TCLP	Solid	8151A	781094
LB 460-781094/1-C	Method Blank	TCLP	Solid	8151A	781094
MB 460-781125/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-781125/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-781125/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 781126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	8151A	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	8151A	
MB 460-781126/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-781126/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-781126/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 781130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	3510C	781094
460-235271-3	WCR-6 (0-8)	TCLP	Solid	3510C	781094
460-235271-4	WCR-7 (0-8)	TCLP	Solid	3510C	781094
LB 460-781094/1-D	Method Blank	TCLP	Solid	3510C	781094
MB 460-781130/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-781130/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-781130/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
460-235398-J-1-A MS	Matrix Spike	Total/NA	Solid	3510C	
460-235398-J-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3510C	

Prep Batch: 781344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3546	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3546	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3546	
MB 460-781344/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781344/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781344/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235430-F-3-B MS	Matrix Spike	Total/NA	Solid	3546	
460-235430-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 781345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3546	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3546	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3546	
MB 460-781345/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781345/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781345/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235430-F-3-E MS	Matrix Spike	Total/NA	Solid	3546	
460-235430-F-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 781347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3546	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3546	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3546	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3546	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3546	
MB 460-781347/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781347/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781347/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 781398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	8081B	781084
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	8081B	781084
MB 460-781084/1-A	Method Blank	Total/NA	Solid	8081B	781084
LCS 460-781084/2-A	Lab Control Sample	Total/NA	Solid	8081B	781084
LCSD 460-781084/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781084
460-235302-A-1-D MS	Matrix Spike	Total/NA	Solid	8081B	781084
460-235302-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	781084

Analysis Batch: 781401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	8081B	781082
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	8081B	781082
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	8081B	781082
MB 460-781082/1-A	Method Blank	Total/NA	Solid	8081B	781082
LCS 460-781082/2-A	Lab Control Sample	Total/NA	Solid	8081B	781082
LCSD 460-781082/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781082
460-235271-1 MS	WCR-5 (0-8)	Total/NA	Solid	8081B	781082
460-235271-1 MSD	WCR-5 (0-8)	Total/NA	Solid	8081B	781082

Analysis Batch: 781404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	8151A	781126
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	8151A	781126
MB 460-781126/1-A	Method Blank	Total/NA	Solid	8151A	781126
LCS 460-781126/2-A	Lab Control Sample	Total/NA	Solid	8151A	781126
LCSD 460-781126/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	781126

GC Semi VOA

Analysis Batch: 781405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781094/1-C	Method Blank	TCLP	Solid	8151A	781125
MB 460-781125/1-A	Method Blank	Total/NA	Solid	8151A	781125
LCS 460-781125/2-A	Lab Control Sample	Total/NA	Solid	8151A	781125
LCSD 460-781125/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	781125

Analysis Batch: 781428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	8081B	781130
460-235271-3	WCR-6 (0-8)	TCLP	Solid	8081B	781130
460-235271-4	WCR-7 (0-8)	TCLP	Solid	8081B	781130
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	8081B	781345
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	8081B	781345
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	8081B	781345
LB 460-781094/1-D	Method Blank	TCLP	Solid	8081B	781130
MB 460-781130/1-A	Method Blank	Total/NA	Solid	8081B	781130
MB 460-781345/1-A	Method Blank	Total/NA	Solid	8081B	781345
LCS 460-781130/2-A	Lab Control Sample	Total/NA	Solid	8081B	781130
LCS 460-781345/2-A	Lab Control Sample	Total/NA	Solid	8081B	781345
LCSD 460-781130/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781130
LCSD 460-781345/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781345
460-235398-J-1-A MS	Matrix Spike	Total/NA	Solid	8081B	781130
460-235398-J-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	781130
460-235430-F-3-E MS	Matrix Spike	Total/NA	Solid	8081B	781345
460-235430-F-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	781345

Analysis Batch: 781458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	8151A	781125
460-235271-3	WCR-6 (0-8)	TCLP	Solid	8151A	781125
460-235271-4	WCR-7 (0-8)	TCLP	Solid	8151A	781125

Analysis Batch: 781469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	8082A	781344
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	8082A	781344
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	8082A	781344
MB 460-781344/1-A	Method Blank	Total/NA	Solid	8082A	781344
LCS 460-781344/2-A	Lab Control Sample	Total/NA	Solid	8082A	781344
LCSD 460-781344/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	781344
460-235430-F-3-B MS	Matrix Spike	Total/NA	Solid	8082A	781344
460-235430-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	781344

Analysis Batch: 781475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-781347/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	781347
LCS 460-781347/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	781347
LCSD 460-781347/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	781347

Analysis Batch: 781476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	NJDEP EPH	781347

GC Semi VOA (Continued)

Analysis Batch: 781476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	NJDEP EPH	781347
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	NJDEP EPH	781347
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	NJDEP EPH	781347
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	NJDEP EPH	781347

Prep Batch: 781499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3546	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3546	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3546	
MB 460-781499/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781499/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781499/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Leach Batch: 781595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	1311	
460-235363-2	WCR-9 (0-8)	TCLP	Solid	1311	
LB 460-781595/1-C	Method Blank	TCLP	Solid	1311	
LB 460-781595/1-E	Method Blank	TCLP	Solid	1311	

Analysis Batch: 781723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	NJDEP EPH	781499
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	NJDEP EPH	781499
MB 460-781499/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	781499
LCS 460-781499/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	781499
LCSD 460-781499/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	781499

Prep Batch: 781807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	3510C	781595
460-235363-2	WCR-9 (0-8)	TCLP	Solid	3510C	781595
LB 460-781595/1-C	Method Blank	TCLP	Solid	3510C	781595
MB 460-781807/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-781807/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-781807/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Leach Batch: 781898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	1311	
460-235434-3	WCR-11 (0-8)	TCLP	Solid	1311	
460-235434-5	WCR-12 (0-8)	TCLP	Solid	1311	
LB 460-781898/1-C	Method Blank	TCLP	Solid	1311	
LB 460-781898/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 781910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	8151A	781595
460-235363-2	WCR-9 (0-8)	TCLP	Solid	8151A	781595
LB 460-781595/1-E	Method Blank	TCLP	Solid	8151A	781595

GC Semi VOA (Continued)

Prep Batch: 781910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-781910/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-781910/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-781910/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 781928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	8081B	781807
460-235363-2	WCR-9 (0-8)	TCLP	Solid	8081B	781807
LB 460-781595/1-C	Method Blank	TCLP	Solid	8081B	781807
MB 460-781807/1-A	Method Blank	Total/NA	Solid	8081B	781807
LCS 460-781807/2-A	Lab Control Sample	Total/NA	Solid	8081B	781807
LCSD 460-781807/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781807

Analysis Batch: 781957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	8151A	781910
460-235363-2	WCR-9 (0-8)	TCLP	Solid	8151A	781910
LB 460-781595/1-E	Method Blank	TCLP	Solid	8151A	781910
MB 460-781910/1-A	Method Blank	Total/NA	Solid	8151A	781910
LCS 460-781910/2-A	Lab Control Sample	Total/NA	Solid	8151A	781910
LCSD 460-781910/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	781910

Analysis Batch: 781960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	NJDEP EPH	781499

Prep Batch: 782009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	3510C	781898
460-235434-3	WCR-11 (0-8)	TCLP	Solid	3510C	781898
460-235434-5	WCR-12 (0-8)	TCLP	Solid	3510C	781898
LB 460-781898/1-C	Method Blank	TCLP	Solid	3510C	781898
MB 460-782009/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782009/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782009/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 782129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	8151A	781898
460-235434-3	WCR-11 (0-8)	TCLP	Solid	8151A	781898
460-235434-5	WCR-12 (0-8)	TCLP	Solid	8151A	781898
LB 460-781898/1-E	Method Blank	TCLP	Solid	8151A	781898
MB 460-782129/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782129/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782129/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 782130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	8151A	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	8151A	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	8151A	

GC Semi VOA (Continued)

Prep Batch: 782130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-782130/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782130/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782130/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-235375-G-1-F MS	Matrix Spike	Total/NA	Solid	8151A	
460-235375-G-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Analysis Batch: 782161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	8081B	782009
460-235434-3	WCR-11 (0-8)	TCLP	Solid	8081B	782009
460-235434-5	WCR-12 (0-8)	TCLP	Solid	8081B	782009
LB 460-781898/1-C	Method Blank	TCLP	Solid	8081B	782009
MB 460-782009/1-A	Method Blank	Total/NA	Solid	8081B	782009
LCS 460-782009/2-A	Lab Control Sample	Total/NA	Solid	8081B	782009
LCSD 460-782009/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782009

Analysis Batch: 782191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	8151A	782129
460-235434-3	WCR-11 (0-8)	TCLP	Solid	8151A	782129
460-235434-5	WCR-12 (0-8)	TCLP	Solid	8151A	782129
LB 460-781898/1-E	Method Blank	TCLP	Solid	8151A	782129
MB 460-782129/1-A	Method Blank	Total/NA	Solid	8151A	782129
LCS 460-782129/2-A	Lab Control Sample	Total/NA	Solid	8151A	782129
LCSD 460-782129/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782129

Analysis Batch: 782192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	8151A	782130
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	8151A	782130
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	8151A	782130
MB 460-782130/1-A	Method Blank	Total/NA	Solid	8151A	782130
LCS 460-782130/2-A	Lab Control Sample	Total/NA	Solid	8151A	782130
LCSD 460-782130/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782130
460-235375-G-1-F MS	Matrix Spike	Total/NA	Solid	8151A	782130
460-235375-G-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	782130

Metals

Leach Batch: 780550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-234481-A-1-AG MS	Matrix Spike	TCLP	Solid	1311	
460-234481-A-1-AF DU	Duplicate	TCLP	Solid	1311	

Leach Batch: 780555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	1311	
460-235054-2	WCR-2	TCLP	Solid	1311	
460-235054-3	WCR-3	TCLP	Solid	1311	
460-235054-4	WCR-4	TCLP	Solid	1311	
LB 460-780555/1-D	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 780555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-780555/1-E ^5	Method Blank	TCLP	Solid	1311	
460-235054-1 MS	WCR-1	TCLP	Solid	1311	
460-235054-1 DU	WCR-1	TCLP	Solid	1311	

Prep Batch: 780722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	7470A	780555
460-235054-2	WCR-2	TCLP	Solid	7470A	780555
460-235054-3	WCR-3	TCLP	Solid	7470A	780555
460-235054-4	WCR-4	TCLP	Solid	7470A	780555
LB 460-780555/1-D	Method Blank	TCLP	Solid	7470A	780555
MB 460-780722/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-780722/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-235054-1 MS	WCR-1	TCLP	Solid	7470A	780555
460-235054-1 DU	WCR-1	TCLP	Solid	7470A	780555

Analysis Batch: 780760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	7470A	780722
460-235054-2	WCR-2	TCLP	Solid	7470A	780722
460-235054-3	WCR-3	TCLP	Solid	7470A	780722
460-235054-4	WCR-4	TCLP	Solid	7470A	780722
LB 460-780555/1-D	Method Blank	TCLP	Solid	7470A	780722
MB 460-780722/1-A	Method Blank	Total/NA	Solid	7470A	780722
LCS 460-780722/2-A	Lab Control Sample	Total/NA	Solid	7470A	780722
460-235054-1 MS	WCR-1	TCLP	Solid	7470A	780722
460-235054-1 DU	WCR-1	TCLP	Solid	7470A	780722

Prep Batch: 780770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	3010A	780555
460-235054-2	WCR-2	TCLP	Solid	3010A	780555
460-235054-3	WCR-3	TCLP	Solid	3010A	780555
460-235054-4	WCR-4	TCLP	Solid	3010A	780555
LB 460-780555/1-E ^5	Method Blank	TCLP	Solid	3010A	780555
MB 460-780770/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-780770/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-234481-A-1-AG MS	Matrix Spike	TCLP	Solid	3010A	780550
460-234481-A-1-AF DU	Duplicate	TCLP	Solid	3010A	780550

Prep Batch: 780863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3050B	
460-235054-2	WCR-2	Total/NA	Solid	3050B	
460-235054-3	WCR-3	Total/NA	Solid	3050B	
460-235054-4	WCR-4	Total/NA	Solid	3050B	
MB 460-780863/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-780863/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-235054-1 MS	WCR-1	Total/NA	Solid	3050B	
460-235054-1 DU	WCR-1	Total/NA	Solid	3050B	

Metals

Prep Batch: 780867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7471B	
460-235054-2	WCR-2	Total/NA	Solid	7471B	
460-235054-3	WCR-3	Total/NA	Solid	7471B	
460-235054-4	WCR-4	Total/NA	Solid	7471B	
MB 460-780867/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-780867/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-234186-E-1-D MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-234186-H-1-H MS ^10	Matrix Spike	Total/NA	Solid	7471B	
460-234186-H-1-G DU ^10	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 780946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	6020B	780863
460-235054-2	WCR-2	Total/NA	Solid	6020B	780863
460-235054-3	WCR-3	Total/NA	Solid	6020B	780863
460-235054-4	WCR-4	Total/NA	Solid	6020B	780863
MB 460-780863/1-A	Method Blank	Total/NA	Solid	6020B	780863
460-235054-1 MS	WCR-1	Total/NA	Solid	6020B	780863
460-235054-1 DU	WCR-1	Total/NA	Solid	6020B	780863

Analysis Batch: 780960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7471B	780867
460-235054-2	WCR-2	Total/NA	Solid	7471B	780867
460-235054-3	WCR-3	Total/NA	Solid	7471B	780867
460-235054-4	WCR-4	Total/NA	Solid	7471B	780867
MB 460-780867/1-A	Method Blank	Total/NA	Solid	7471B	780867
LCSSRM 460-780867/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	780867
460-234186-E-1-D MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	7471B	780867
460-234186-H-1-H MS ^10	Matrix Spike	Total/NA	Solid	7471B	780867
460-234186-H-1-G DU ^10	Duplicate	Total/NA	Solid	7471B	780867

Analysis Batch: 780967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	6010D	780770
460-235054-2	WCR-2	TCLP	Solid	6010D	780770
460-235054-3	WCR-3	TCLP	Solid	6010D	780770
460-235054-4	WCR-4	TCLP	Solid	6010D	780770
LB 460-780555/1-E ^5	Method Blank	TCLP	Solid	6010D	780770
MB 460-780770/1-A	Method Blank	Total/NA	Solid	6010D	780770
LCS 460-780770/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	780770
460-234481-A-1-AG MS	Matrix Spike	TCLP	Solid	6010D	780770
460-234481-A-1-AF DU	Duplicate	TCLP	Solid	6010D	780770

Leach Batch: 781094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	1311	
460-235271-3	WCR-6 (0-8)	TCLP	Solid	1311	
460-235271-4	WCR-7 (0-8)	TCLP	Solid	1311	
LB 460-781094/1-E ^5	Method Blank	TCLP	Solid	1311	
LB 460-781094/1-F	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 781094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1 MS	WCR-5 (0-8)	TCLP	Solid	1311	
460-235271-1 DU	WCR-5 (0-8)	TCLP	Solid	1311	

Leach Batch: 781250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781250/1-D	Method Blank	TCLP	Solid	1311	
460-234962-D-3-J MS	Matrix Spike	TCLP	Solid	1311	
460-234962-D-3-I DU	Duplicate	TCLP	Solid	1311	

Analysis Batch: 781408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-780863/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	780863

Leach Batch: 781409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781409/1-B	Method Blank	TCLP	Solid	1311	
460-235187-B-7-G MS	Matrix Spike	TCLP	Solid	1311	
460-235187-B-7-F DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 781455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	3010A	781094
460-235271-3	WCR-6 (0-8)	TCLP	Solid	3010A	781094
460-235271-4	WCR-7 (0-8)	TCLP	Solid	3010A	781094
LB 460-781094/1-E ^5	Method Blank	TCLP	Solid	3010A	781094
MB 460-781455/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-781455/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235271-1 MS	WCR-5 (0-8)	TCLP	Solid	3010A	781094
460-235271-1 DU	WCR-5 (0-8)	TCLP	Solid	3010A	781094

Prep Batch: 781525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	7470A	781094
MB 460-781525/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-781525/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-235187-B-7-G MS	Matrix Spike	TCLP	Solid	7470A	781409
460-235187-B-7-F DU	Duplicate	TCLP	Solid	7470A	781409

Prep Batch: 781528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-3	WCR-6 (0-8)	TCLP	Solid	7470A	781094
460-235271-4	WCR-7 (0-8)	TCLP	Solid	7470A	781094
LB 460-781094/1-F	Method Blank	TCLP	Solid	7470A	781094
LB 460-781250/1-D	Method Blank	TCLP	Solid	7470A	781250
LB 460-781409/1-B	Method Blank	TCLP	Solid	7470A	781409
MB 460-781528/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-781528/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-234962-D-3-J MS	Matrix Spike	TCLP	Solid	7470A	781250
460-234962-D-3-I DU	Duplicate	TCLP	Solid	7470A	781250

Metals

Analysis Batch: 781543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	6010D	781455
460-235271-3	WCR-6 (0-8)	TCLP	Solid	6010D	781455
460-235271-4	WCR-7 (0-8)	TCLP	Solid	6010D	781455
LB 460-781094/1-E ^5	Method Blank	TCLP	Solid	6010D	781455
MB 460-781455/1-A	Method Blank	Total/NA	Solid	6010D	781455
LCS 460-781455/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	781455
460-235271-1 MS	WCR-5 (0-8)	TCLP	Solid	6010D	781455
460-235271-1 DU	WCR-5 (0-8)	TCLP	Solid	6010D	781455

Analysis Batch: 781594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	7470A	781525
460-235271-3	WCR-6 (0-8)	TCLP	Solid	7470A	781528
460-235271-4	WCR-7 (0-8)	TCLP	Solid	7470A	781528
LB 460-781094/1-F	Method Blank	TCLP	Solid	7470A	781528
LB 460-781250/1-D	Method Blank	TCLP	Solid	7470A	781528
LB 460-781409/1-B	Method Blank	TCLP	Solid	7470A	781528
MB 460-781525/1-A	Method Blank	Total/NA	Solid	7470A	781525
MB 460-781528/1-A	Method Blank	Total/NA	Solid	7470A	781528
LCS 460-781525/2-A	Lab Control Sample	Total/NA	Solid	7470A	781525
LCS 460-781528/2-A	Lab Control Sample	Total/NA	Solid	7470A	781528
460-234962-D-3-J MS	Matrix Spike	TCLP	Solid	7470A	781528
460-235187-B-7-G MS	Matrix Spike	TCLP	Solid	7470A	781525
460-234962-D-3-I DU	Duplicate	TCLP	Solid	7470A	781528
460-235187-B-7-F DU	Duplicate	TCLP	Solid	7470A	781525

Leach Batch: 781595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	1311	
460-235363-2	WCR-9 (0-8)	TCLP	Solid	1311	
LB 460-781595/1-D	Method Blank	TCLP	Solid	1311	
LB 460-781595/1-G ^5	Method Blank	TCLP	Solid	1311	
460-235363-1 MS	WCR-8 (0-8)	TCLP	Solid	1311	
460-235363-1 DU	WCR-8 (0-8)	TCLP	Solid	1311	

Prep Batch: 781662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7471B	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7471B	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7471B	
MB 460-781662/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-781662/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-235318-E-1-G MS	Matrix Spike	Total/NA	Solid	7471B	
460-235318-E-1-F DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 781783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7471B	781662
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7471B	781662
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7471B	781662
MB 460-781662/10-A	Method Blank	Total/NA	Solid	7471B	781662

Metals (Continued)

Analysis Batch: 781783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-781662/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	781662
460-235318-E-1-G MS	Matrix Spike	Total/NA	Solid	7471B	781662
460-235318-E-1-F DU	Duplicate	Total/NA	Solid	7471B	781662

Prep Batch: 781813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781595/1-D	Method Blank	TCLP	Solid	7470A	781595
MB 460-781813/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 781844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781595/1-D	Method Blank	TCLP	Solid	7470A	781813
MB 460-781813/1-A	Method Blank	Total/NA	Solid	7470A	781813

Leach Batch: 781898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	1311	
460-235434-3	WCR-11 (0-8)	TCLP	Solid	1311	
460-235434-5	WCR-12 (0-8)	TCLP	Solid	1311	
LB 460-781898/1-D	Method Blank	TCLP	Solid	1311	
LB 460-781898/1-F ^5	Method Blank	TCLP	Solid	1311	
460-235378-F-1-G MS	Matrix Spike	TCLP	Solid	1311	
460-235378-F-1-F DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 781940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3050B	
MB 460-781940/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-781940/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-234557-F-1-B MS	Matrix Spike	Total/NA	Solid	3050B	
460-234557-A-1-D DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 781996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	6020B	781940
MB 460-781940/1-A	Method Blank	Total/NA	Solid	6020B	781940
LCSSRM 460-781940/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	781940
460-234557-F-1-B MS	Matrix Spike	Total/NA	Solid	6020B	781940
460-234557-A-1-D DU	Duplicate	Total/NA	Solid	6020B	781940

Prep Batch: 782049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	7470A	781595
460-235363-2	WCR-9 (0-8)	TCLP	Solid	7470A	781595
460-235434-1	WCR-10 (0-8)	TCLP	Solid	7470A	781898
460-235434-3	WCR-11 (0-8)	TCLP	Solid	7470A	781898
460-235434-5	WCR-12 (0-8)	TCLP	Solid	7470A	781898
LB 460-781898/1-D	Method Blank	TCLP	Solid	7470A	781898
MB 460-782049/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-782049/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-235363-1 MS	WCR-8 (0-8)	TCLP	Solid	7470A	781595

Metals (Continued)

Prep Batch: 782049 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1 DU	WCR-8 (0-8)	TCLP	Solid	7470A	781595

Analysis Batch: 782092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	7470A	782049
460-235363-2	WCR-9 (0-8)	TCLP	Solid	7470A	782049
460-235434-1	WCR-10 (0-8)	TCLP	Solid	7470A	782049
460-235434-3	WCR-11 (0-8)	TCLP	Solid	7470A	782049
460-235434-5	WCR-12 (0-8)	TCLP	Solid	7470A	782049
LB 460-781898/1-D	Method Blank	TCLP	Solid	7470A	782049
MB 460-782049/1-A	Method Blank	Total/NA	Solid	7470A	782049
LCS 460-782049/2-A	Lab Control Sample	Total/NA	Solid	7470A	782049
460-235363-1 MS	WCR-8 (0-8)	TCLP	Solid	7470A	782049
460-235363-1 DU	WCR-8 (0-8)	TCLP	Solid	7470A	782049

Prep Batch: 782151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3050B	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3050B	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3050B	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3050B	
MB 460-782151/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-782151/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-235271-3 MS	WCR-6 (0-8)	Total/NA	Solid	3050B	
460-235271-3 DU	WCR-6 (0-8)	Total/NA	Solid	3050B	

Prep Batch: 782152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3050B	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3050B	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3050B	
MB 460-782152/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-782152/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-235434-5 MS	WCR-12 (0-8)	Total/NA	Solid	3050B	
460-235434-5 DU	WCR-12 (0-8)	Total/NA	Solid	3050B	

Prep Batch: 782153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7471B	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7471B	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7471B	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7471B	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7471B	
MB 460-782153/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-782153/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-234857-A-10-F MS	Matrix Spike	Total/NA	Solid	7471B	
460-234857-A-10-E DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 782188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	3010A	781595

Metals (Continued)

Prep Batch: 782188 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-2	WCR-9 (0-8)	TCLP	Solid	3010A	781595
460-235434-1	WCR-10 (0-8)	TCLP	Solid	3010A	781898
460-235434-3	WCR-11 (0-8)	TCLP	Solid	3010A	781898
460-235434-5	WCR-12 (0-8)	TCLP	Solid	3010A	781898
LB 460-781595/1-G ^5	Method Blank	TCLP	Solid	3010A	781595
LB 460-781898/1-F ^5	Method Blank	TCLP	Solid	3010A	781898
MB 460-782188/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-782188/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235378-F-1-G MS	Matrix Spike	TCLP	Solid	3010A	781898
460-235378-F-1-F DU	Duplicate	TCLP	Solid	3010A	781898

Analysis Batch: 782250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	6020B	782151
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	6020B	782151
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	6020B	782151
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	6020B	782151
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	6020B	782152
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	6020B	782152
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	6020B	782152
MB 460-782151/1-A	Method Blank	Total/NA	Solid	6020B	782151
MB 460-782152/1-A	Method Blank	Total/NA	Solid	6020B	782152
LCSSRM 460-782151/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	782151
LCSSRM 460-782152/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	782152
460-235271-3 MS	WCR-6 (0-8)	Total/NA	Solid	6020B	782151
460-235434-5 MS	WCR-12 (0-8)	Total/NA	Solid	6020B	782152
460-235271-3 DU	WCR-6 (0-8)	Total/NA	Solid	6020B	782151
460-235434-5 DU	WCR-12 (0-8)	Total/NA	Solid	6020B	782152

Analysis Batch: 782256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7471B	782153
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7471B	782153
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7471B	782153
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7471B	782153
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7471B	782153
MB 460-782153/10-A	Method Blank	Total/NA	Solid	7471B	782153
LCSSRM 460-782153/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	782153
460-234857-A-10-F MS	Matrix Spike	Total/NA	Solid	7471B	782153
460-234857-A-10-E DU	Duplicate	Total/NA	Solid	7471B	782153

Analysis Batch: 782288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	6010D	782188
460-235363-2	WCR-9 (0-8)	TCLP	Solid	6010D	782188
460-235434-1	WCR-10 (0-8)	TCLP	Solid	6010D	782188
460-235434-3	WCR-11 (0-8)	TCLP	Solid	6010D	782188
460-235434-5	WCR-12 (0-8)	TCLP	Solid	6010D	782188
LB 460-781595/1-G ^5	Method Blank	TCLP	Solid	6010D	782188
LB 460-781898/1-F ^5	Method Blank	TCLP	Solid	6010D	782188
MB 460-782188/1-A	Method Blank	Total/NA	Solid	6010D	782188

Metals (Continued)

Analysis Batch: 782288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-782188/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	782188
460-235378-F-1-G MS	Matrix Spike	TCLP	Solid	6010D	782188
460-235378-F-1-F DU	Duplicate	TCLP	Solid	6010D	782188

General Chemistry

Prep Batch: 131706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9071B	
460-235054-2	WCR-2	Total/NA	Solid	9071B	
460-235054-3	WCR-3	Total/NA	Solid	9071B	
460-235054-4	WCR-4	Total/NA	Solid	9071B	
MB 410-131706/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-131706/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235054-3 MS	WCR-3	Total/NA	Solid	9071B	
460-235054-3 MSD	WCR-3	Total/NA	Solid	9071B	
460-235054-3 DU	WCR-3	Total/NA	Solid	9071B	

Analysis Batch: 132210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9071B	131706
460-235054-2	WCR-2	Total/NA	Solid	9071B	131706
460-235054-3	WCR-3	Total/NA	Solid	9071B	131706
460-235054-4	WCR-4	Total/NA	Solid	9071B	131706
MB 410-131706/1-A	Method Blank	Total/NA	Solid	9071B	131706
LCS 410-131706/2-A	Lab Control Sample	Total/NA	Solid	9071B	131706
460-235054-3 MS	WCR-3	Total/NA	Solid	9071B	131706
460-235054-3 MSD	WCR-3	Total/NA	Solid	9071B	131706
460-235054-3 DU	WCR-3	Total/NA	Solid	9071B	131706

Prep Batch: 132221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	3060A	
460-235054-2	WCR-2	Total/NA	Solid	3060A	
460-235054-3	WCR-3	Total/NA	Solid	3060A	
460-235054-4	WCR-4	Total/NA	Solid	3060A	
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	3060A	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	3060A	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	3060A	
MB 410-132221/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-132221/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-132221/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-233537-C-11-G MSS	Matrix Spike	Total/NA	Solid	3060A	
460-233537-C-11-H MSI	Matrix Spike	Total/NA	Solid	3060A	
460-233537-C-11-J DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 132298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7196A	132221
460-235054-2	WCR-2	Total/NA	Solid	7196A	132221
460-235054-3	WCR-3	Total/NA	Solid	7196A	132221

General Chemistry (Continued)

Analysis Batch: 132298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-4	WCR-4	Total/NA	Solid	7196A	132221
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7196A	132221
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7196A	132221
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7196A	132221
MB 410-132221/1-A	Method Blank	Total/NA	Solid	7196A	132221
LCS 410-132221/2-A	Lab Control Sample	Total/NA	Solid	7196A	132221
LCSI 410-132221/3-A	Lab Control Sample	Total/NA	Solid	7196A	132221
460-233537-C-11-G MSS	Matrix Spike	Total/NA	Solid	7196A	132221
460-233537-C-11-H MSI	Matrix Spike	Total/NA	Solid	7196A	132221
460-233537-C-11-J DU	Duplicate	Total/NA	Solid	7196A	132221

Prep Batch: 133267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9071B	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9071B	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9071B	
MB 410-133267/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-133267/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235271-4 MS	WCR-7 (0-8)	Total/NA	Solid	9071B	
460-235271-4 MSD	WCR-7 (0-8)	Total/NA	Solid	9071B	
460-235271-4 DU	WCR-7 (0-8)	Total/NA	Solid	9071B	

Analysis Batch: 133694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9071B	133267
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9071B	133267
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9071B	133267
MB 410-133267/1-A	Method Blank	Total/NA	Solid	9071B	133267
LCS 410-133267/2-A	Lab Control Sample	Total/NA	Solid	9071B	133267
460-235271-4 MS	WCR-7 (0-8)	Total/NA	Solid	9071B	133267
460-235271-4 MSD	WCR-7 (0-8)	Total/NA	Solid	9071B	133267
460-235271-4 DU	WCR-7 (0-8)	Total/NA	Solid	9071B	133267

Leach Batch: 133730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	D3987-85	
460-235054-2	WCR-2	ASTM Leach	Solid	D3987-85	
460-235054-3	WCR-3	ASTM Leach	Solid	D3987-85	
460-235054-4	WCR-4	ASTM Leach	Solid	D3987-85	

Prep Batch: 134956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	3060A	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	3060A	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	3060A	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	3060A	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	3060A	
MB 410-134956/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-134956/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-134956/3-A	Lab Control Sample	Total/NA	Solid	3060A	
410-41316-E-7-B MSS	Matrix Spike	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 134956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-41316-E-7-C MSI	Matrix Spike	Total/NA	Solid	3060A	
410-41316-E-7-E DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 135047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7196A	134956
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7196A	134956
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7196A	134956
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7196A	134956
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7196A	134956
MB 410-134956/1-A	Method Blank	Total/NA	Solid	7196A	134956
LCS 410-134956/2-A	Lab Control Sample	Total/NA	Solid	7196A	134956
LCSI 410-134956/3-A	Lab Control Sample	Total/NA	Solid	7196A	134956
410-41316-E-7-B MSS	Matrix Spike	Total/NA	Solid	7196A	134956
410-41316-E-7-C MSI	Matrix Spike	Total/NA	Solid	7196A	134956
410-41316-E-7-E DU	Duplicate	Total/NA	Solid	7196A	134956

Prep Batch: 135483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9071B	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9071B	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9071B	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9071B	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9071B	
MB 410-135483/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-135483/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235697-B-2-B MS	Matrix Spike	Total/NA	Solid	9071B	
460-235697-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	
460-235697-B-2-D DU	Duplicate	Total/NA	Solid	9071B	

Analysis Batch: 135816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	1664A	133730
460-235054-2	WCR-2	ASTM Leach	Solid	1664A	133730
460-235054-3	WCR-3	ASTM Leach	Solid	1664A	133730
460-235054-4	WCR-4	ASTM Leach	Solid	1664A	133730
MB 410-135816/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-135816/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-135816/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
460-235934-D-2 MS	Matrix Spike	Total/NA	Solid	1664A	

Leach Batch: 135838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	D3987-85	
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	D3987-85	
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 135875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9071B	135483
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9071B	135483

General Chemistry (Continued)

Analysis Batch: 135875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9071B	135483
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9071B	135483
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9071B	135483
MB 410-135483/1-A	Method Blank	Total/NA	Solid	9071B	135483
LCS 410-135483/2-A	Lab Control Sample	Total/NA	Solid	9071B	135483
460-235697-B-2-B MS	Matrix Spike	Total/NA	Solid	9071B	135483
460-235697-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9071B	135483
460-235697-B-2-D DU	Duplicate	Total/NA	Solid	9071B	135483

Leach Batch: 136322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	D3987-85	
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	D3987-85	

Leach Batch: 136886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	D3987-85	
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	D3987-85	
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 137113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	1664A	135838
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	1664A	135838
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	1664A	135838
MB 410-137113/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-137113/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-137113/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-42473-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 137609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	1664A	136322
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	1664A	136322
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	1664A	136886
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	1664A	136886
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	1664A	136886
MB 410-137609/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-137609/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-137609/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-42469-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 780339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	SM 2540G	
460-235054-2	WCR-2	Total/NA	Solid	SM 2540G	
460-235054-3	WCR-3	Total/NA	Solid	SM 2540G	
460-235054-4	WCR-4	Total/NA	Solid	SM 2540G	
MB 460-780339/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235037-B-19 DU	Duplicate	Total/NA	Solid	SM 2540G	

General Chemistry

Analysis Batch: 780448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	Moisture	
460-235054-2	WCR-2	Total/NA	Solid	Moisture	
460-235054-3	WCR-3	Total/NA	Solid	Moisture	
460-235054-4	WCR-4	Total/NA	Solid	Moisture	
460-235054-5	WCR-4D (5-7)	Total/NA	Solid	Moisture	
460-235054-6	WCR-3C (5-7)	Total/NA	Solid	Moisture	
460-235054-7	WCR-6B (5-7)	Total/NA	Solid	Moisture	
460-235054-5 DU	WCR-4D (5-7)	Total/NA	Solid	Moisture	

Leach Batch: 780555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	TCLP	Solid	1311	
460-235054-2	WCR-2	TCLP	Solid	1311	
460-235054-3	WCR-3	TCLP	Solid	1311	
460-235054-4	WCR-4	TCLP	Solid	1311	

Analysis Batch: 780658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7196A	
460-235054-2	WCR-2	Total/NA	Solid	7196A	
460-235054-3	WCR-3	Total/NA	Solid	7196A	
460-235054-4	WCR-4	Total/NA	Solid	7196A	

Prep Batch: 780735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9012B	
460-235054-2	WCR-2	Total/NA	Solid	9012B	
460-235054-3	WCR-3	Total/NA	Solid	9012B	
460-235054-4	WCR-4	Total/NA	Solid	9012B	
MB 460-780735/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-780735/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235054-1 MS	WCR-1	Total/NA	Solid	9012B	
460-235054-1 MSD	WCR-1	Total/NA	Solid	9012B	

Analysis Batch: 780831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9012B	780735
460-235054-2	WCR-2	Total/NA	Solid	9012B	780735
460-235054-3	WCR-3	Total/NA	Solid	9012B	780735
460-235054-4	WCR-4	Total/NA	Solid	9012B	780735
MB 460-780735/1-A	Method Blank	Total/NA	Solid	9012B	780735
LCSSRM 460-780735/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	780735
460-235054-1 MS	WCR-1	Total/NA	Solid	9012B	780735
460-235054-1 MSD	WCR-1	Total/NA	Solid	9012B	780735

Analysis Batch: 780961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	Moisture	
460-235271-2	WCR-5C (5-7)	Total/NA	Solid	Moisture	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	Moisture	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 780961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-5	WCR-7B (6-8)	Total/NA	Solid	Moisture	
460-235271-4 DU	WCR-7 (0-8)	Total/NA	Solid	Moisture	

Analysis Batch: 780970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	SM 2540G	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	SM 2540G	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	SM 2540G	
MB 460-780970/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235271-3 DU	WCR-6 (0-8)	Total/NA	Solid	SM 2540G	

Analysis Batch: 780976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	1030	
460-235054-2	WCR-2	Total/NA	Solid	1030	
460-235054-3	WCR-3	Total/NA	Solid	1030	
460-235054-4	WCR-4	Total/NA	Solid	1030	
460-235119-A-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 780977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9095B	
460-235054-2	WCR-2	Total/NA	Solid	9095B	
460-235054-3	WCR-3	Total/NA	Solid	9095B	
460-235054-4	WCR-4	Total/NA	Solid	9095B	
460-235068-E-1 DU	Duplicate	Total/NA	Solid	9095B	

Leach Batch: 780981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Soluble	Solid	DI Leach	
460-235054-2	WCR-2	Soluble	Solid	DI Leach	
460-235054-3	WCR-3	Soluble	Solid	DI Leach	
460-235054-4	WCR-4	Soluble	Solid	DI Leach	

Analysis Batch: 780982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Soluble	Solid	9040C	780981
460-235054-1	WCR-1	TCLP	Solid	9040C	780555
460-235054-2	WCR-2	Soluble	Solid	9040C	780981
460-235054-2	WCR-2	TCLP	Solid	9040C	780555
460-235054-3	WCR-3	Soluble	Solid	9040C	780981
460-235054-3	WCR-3	TCLP	Solid	9040C	780555
460-235054-4	WCR-4	Soluble	Solid	9040C	780981
460-235054-4	WCR-4	TCLP	Solid	9040C	780555

Analysis Batch: 781027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9045D	
460-235054-2	WCR-2	Total/NA	Solid	9045D	
460-235054-3	WCR-3	Total/NA	Solid	9045D	
460-235054-4	WCR-4	Total/NA	Solid	9045D	

General Chemistry (Continued)

Analysis Batch: 781027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-781027/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-781027/3	Lab Control Sample	Total/NA	Solid	9045D	
460-234564-B-1 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 781034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9012B	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9012B	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9012B	
MB 460-781034/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-781034/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-235137-H-1-E MS	Matrix Spike	Total/NA	Solid	9012B	
460-235137-H-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Prep Batch: 781060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7.3.4	
460-235054-2	WCR-2	Total/NA	Solid	7.3.4	
460-235054-3	WCR-3	Total/NA	Solid	7.3.4	
460-235054-4	WCR-4	Total/NA	Solid	7.3.4	
MB 460-781060/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-781060/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-235119-A-1-K MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-235119-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 781061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	7.3.3	
460-235054-2	WCR-2	Total/NA	Solid	7.3.3	
460-235054-3	WCR-3	Total/NA	Solid	7.3.3	
460-235054-4	WCR-4	Total/NA	Solid	7.3.3	
MB 460-781061/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-781061/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-235119-A-1-N DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 781062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9034	781060
460-235054-2	WCR-2	Total/NA	Solid	9034	781060
460-235054-3	WCR-3	Total/NA	Solid	9034	781060
460-235054-4	WCR-4	Total/NA	Solid	9034	781060
MB 460-781060/1-A	Method Blank	Total/NA	Solid	9034	781060
LCSSRM 460-781060/3-A	Lab Control Sample	Total/NA	Solid	9034	781060
460-235119-A-1-K MS	Matrix Spike	Total/NA	Solid	9034	781060
460-235119-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	781060

Analysis Batch: 781064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	Total/NA	Solid	9014	781061
460-235054-2	WCR-2	Total/NA	Solid	9014	781061
460-235054-3	WCR-3	Total/NA	Solid	9014	781061

General Chemistry (Continued)

Analysis Batch: 781064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-4	WCR-4	Total/NA	Solid	9014	781061
MB 460-781061/1-A	Method Blank	Total/NA	Solid	9014	781061
LCS 460-781061/2-A	Lab Control Sample	Total/NA	Solid	9014	781061
460-235119-A-1-N DU	Duplicate	Total/NA	Solid	9014	781061

Leach Batch: 781094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	TCLP	Solid	1311	
460-235271-3	WCR-6 (0-8)	TCLP	Solid	1311	
460-235271-4	WCR-7 (0-8)	TCLP	Solid	1311	

Leach Batch: 781104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	D3987-85	
460-235054-2	WCR-2	ASTM Leach	Solid	D3987-85	
460-235054-3	WCR-3	ASTM Leach	Solid	D3987-85	
460-235054-4	WCR-4	ASTM Leach	Solid	D3987-85	
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-235054-1 MS	WCR-1	ASTM Leach	Solid	D3987-85	
460-235054-1 MSD	WCR-1	ASTM Leach	Solid	D3987-85	
460-235054-2 MS	WCR-2	ASTM Leach	Solid	D3987-85	
460-235054-2 MSD	WCR-2	ASTM Leach	Solid	D3987-85	
460-235054-1 DU	WCR-1	ASTM Leach	Solid	D3987-85	

Analysis Batch: 781198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	Moisture	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	Moisture	
460-235363-3	WCR-8C (5-7)	Total/NA	Solid	Moisture	
460-235363-4	WCR-9D (5-7)	Total/NA	Solid	Moisture	
460-235410-D-4 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 781209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9012B	781034
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9012B	781034
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9012B	781034
MB 460-781034/1-A	Method Blank	Total/NA	Solid	9012B	781034
LCSSRM 460-781034/2-A	Lab Control Sample	Total/NA	Solid	9012B	781034
460-235137-H-1-E MS	Matrix Spike	Total/NA	Solid	9012B	781034
460-235137-H-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	781034

Prep Batch: 781318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9012B	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9012B	
MB 460-781318/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-781318/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235503-A-88-B MS	Matrix Spike	Total/NA	Solid	9012B	
460-235503-A-88-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

General Chemistry

Analysis Batch: 781366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	1030	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	1030	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	1030	
460-234962-B-17 DU	Duplicate	Total/NA	Solid	1030	

Leach Batch: 781412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781412/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 781413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	D3987-85	
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	D3987-85	
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	D3987-85	
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 781484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	SM 2540G	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	SM 2540G	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	SM 2540G	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	SM 2540G	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	SM 2540G	
MB 460-781484/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235363-1 DU	WCR-8 (0-8)	Total/NA	Solid	SM 2540G	

Analysis Batch: 781487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	SM 2540B	781104
460-235054-2	WCR-2	ASTM Leach	Solid	SM 2540B	781104
460-235054-3	WCR-3	ASTM Leach	Solid	SM 2540B	781104
460-235054-4	WCR-4	ASTM Leach	Solid	SM 2540B	781104
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	SM 2540B	781413
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	SM 2540B	781413
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	SM 2540B	781413
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	781104
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	781413
MB 460-781487/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-781487/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-781487/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-235054-1 DU	WCR-1	ASTM Leach	Solid	SM 2540B	781104

Analysis Batch: 781497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	Moisture	
460-235434-2	WCR-10D (6-8)	Total/NA	Solid	Moisture	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	Moisture	
460-235434-4	WCR-11A (5-7)	Total/NA	Solid	Moisture	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	Moisture	
460-235434-6	WCR-12A (5-7)	Total/NA	Solid	Moisture	
460-235390-A-4 DU	Duplicate	Total/NA	Solid	Moisture	

General Chemistry

Analysis Batch: 781524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9012B	781318
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9012B	781318
MB 460-781318/1-A	Method Blank	Total/NA	Solid	9012B	781318
LCSSRM 460-781318/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	781318
460-235503-A-88-B MS	Matrix Spike	Total/NA	Solid	9012B	781318
460-235503-A-88-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	781318

Leach Batch: 781595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	TCLP	Solid	1311	
460-235363-2	WCR-9 (0-8)	TCLP	Solid	1311	

Leach Batch: 781602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	D3987-85	
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	D3987-85	
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	D3987-85	
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	D3987-85	
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	D3987-85	
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-235449-B-1-B DU	Duplicate	ASTM Leach	Solid	D3987-85	

Analysis Batch: 781637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	410.4	781104
460-235054-2	WCR-2	ASTM Leach	Solid	410.4	781104
460-235054-3	WCR-3	ASTM Leach	Solid	410.4	781104
460-235054-4	WCR-4	ASTM Leach	Solid	410.4	781104
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	410.4	781413
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	410.4	781413
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	410.4	781413
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	410.4	781104
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	410.4	781413
MB 460-781637/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-781637/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-781637/3	Lab Control Sample	Total/NA	Solid	410.4	
460-235054-1 MS	WCR-1	ASTM Leach	Solid	410.4	781104
460-235054-1 MSD	WCR-1	ASTM Leach	Solid	410.4	781104

Analysis Batch: 781706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7196A	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7196A	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7196A	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7196A	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7196A	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7196A	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7196A	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7196A	

General Chemistry

Analysis Batch: 781806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	1030	
460-235058-D-35 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 781809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	1030	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	1030	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	1030	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	1030	
460-235363-2 DU	WCR-9 (0-8)	Total/NA	Solid	1030	

Analysis Batch: 781819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	SM 2540B	781602
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	SM 2540B	781602
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	SM 2540B	781602
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	SM 2540B	781602
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	SM 2540B	781602
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	781602
MB 460-781819/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-781819/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-781819/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-235449-B-1-B DU	Duplicate	ASTM Leach	Solid	SM 2540B	781602

Leach Batch: 781898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	TCLP	Solid	1311	
460-235434-3	WCR-11 (0-8)	TCLP	Solid	1311	
460-235434-5	WCR-12 (0-8)	TCLP	Solid	1311	

Analysis Batch: 781978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Soluble	Solid	9040C	782041
460-235271-1	WCR-5 (0-8)	TCLP	Solid	9040C	781094
460-235271-3	WCR-6 (0-8)	Soluble	Solid	9040C	782041
460-235271-3	WCR-6 (0-8)	TCLP	Solid	9040C	781094
460-235271-4	WCR-7 (0-8)	Soluble	Solid	9040C	782041
460-235271-4	WCR-7 (0-8)	TCLP	Solid	9040C	781094
460-235363-1	WCR-8 (0-8)	Soluble	Solid	9040C	782041
460-235363-1	WCR-8 (0-8)	TCLP	Solid	9040C	781595
460-235363-2	WCR-9 (0-8)	Soluble	Solid	9040C	782041
460-235363-2	WCR-9 (0-8)	TCLP	Solid	9040C	781595
460-235434-1	WCR-10 (0-8)	Soluble	Solid	9040C	782041
460-235434-1	WCR-10 (0-8)	TCLP	Solid	9040C	781898
460-235434-3	WCR-11 (0-8)	Soluble	Solid	9040C	782041
460-235434-3	WCR-11 (0-8)	TCLP	Solid	9040C	781898
460-235434-5	WCR-12 (0-8)	Soluble	Solid	9040C	782041
460-235434-5	WCR-12 (0-8)	TCLP	Solid	9040C	781898

General Chemistry

Analysis Batch: 782006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9095B	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9095B	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9095B	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9095B	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9095B	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9095B	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9095B	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9095B	
460-235037-B-19 DU	Duplicate	Total/NA	Solid	9095B	

Prep Batch: 782008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7.3.4	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7.3.4	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7.3.4	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7.3.4	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7.3.4	
MB 460-782008/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-782008/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-235037-B-19-F MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-235037-B-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 782010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	7.3.3	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	7.3.3	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	7.3.3	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	7.3.3	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	7.3.3	
MB 460-782010/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-782010/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-235037-B-19-I DU	Duplicate	Total/NA	Solid	7.3.3	

Leach Batch: 782041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Soluble	Solid	DI Leach	
460-235271-3	WCR-6 (0-8)	Soluble	Solid	DI Leach	
460-235271-4	WCR-7 (0-8)	Soluble	Solid	DI Leach	
460-235363-1	WCR-8 (0-8)	Soluble	Solid	DI Leach	
460-235363-2	WCR-9 (0-8)	Soluble	Solid	DI Leach	
460-235434-1	WCR-10 (0-8)	Soluble	Solid	DI Leach	
460-235434-3	WCR-11 (0-8)	Soluble	Solid	DI Leach	
460-235434-5	WCR-12 (0-8)	Soluble	Solid	DI Leach	

Analysis Batch: 782075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9034	782008
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9034	782008
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9034	782008
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9034	782008
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9034	782008

General Chemistry (Continued)

Analysis Batch: 782075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-782008/1-A	Method Blank	Total/NA	Solid	9034	782008
LCSSRM 460-782008/3-A	Lab Control Sample	Total/NA	Solid	9034	782008
460-235037-B-19-F MS	Matrix Spike	Total/NA	Solid	9034	782008
460-235037-B-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	782008

Analysis Batch: 782078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9014	782010
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9014	782010
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9014	782010
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9014	782010
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9014	782010
MB 460-782010/1-A	Method Blank	Total/NA	Solid	9014	782010
LCS 460-782010/2-A	Lab Control Sample	Total/NA	Solid	9014	782010
460-235037-B-19-I DU	Duplicate	Total/NA	Solid	9014	782010

Leach Batch: 782118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-235697-H-2-A MS	Matrix Spike	ASTM Leach	Solid	D3987-85	
460-235697-H-2-A MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	

Prep Batch: 782244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9012B	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9012B	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9012B	
MB 460-782244/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-782244/3-A	Lab Control Sample	Total/NA	Solid	9012B	
460-235430-E-3-B MS	Matrix Spike	Total/NA	Solid	9012B	
460-235430-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 782281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235271-1	WCR-5 (0-8)	Total/NA	Solid	9045D	
460-235271-3	WCR-6 (0-8)	Total/NA	Solid	9045D	
460-235271-4	WCR-7 (0-8)	Total/NA	Solid	9045D	
460-235363-1	WCR-8 (0-8)	Total/NA	Solid	9045D	
460-235363-2	WCR-9 (0-8)	Total/NA	Solid	9045D	
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9045D	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9045D	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9045D	
MB 460-782281/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-782281/3	Lab Control Sample	Total/NA	Solid	9045D	
460-235507-B-5 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 782326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7.3.4	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7.3.4	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 782326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-782326/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-782326/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-234727-A-1-Q MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-234727-A-1-R MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 782329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	7.3.3	
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	7.3.3	
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	7.3.3	
MB 460-782329/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-782329/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-234727-A-1-T DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 782330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9034	782326
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9034	782326
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9034	782326
MB 460-782326/1-A	Method Blank	Total/NA	Solid	9034	782326
LCSSRM 460-782326/3-A	Lab Control Sample	Total/NA	Solid	9034	782326
460-234727-A-1-Q MS	Matrix Spike	Total/NA	Solid	9034	782326
460-234727-A-1-R MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	782326

Analysis Batch: 782331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9014	782329
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9014	782329
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9014	782329
MB 460-782329/1-A	Method Blank	Total/NA	Solid	9014	782329
LCS 460-782329/2-A	Lab Control Sample	Total/NA	Solid	9014	782329
460-234727-A-1-T DU	Duplicate	Total/NA	Solid	9014	782329

Analysis Batch: 782350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235434-1	WCR-10 (0-8)	Total/NA	Solid	9012B	782244
460-235434-3	WCR-11 (0-8)	Total/NA	Solid	9012B	782244
460-235434-5	WCR-12 (0-8)	Total/NA	Solid	9012B	782244
MB 460-782244/2-A	Method Blank	Total/NA	Solid	9012B	782244
LCSSRM 460-782244/3-A	Lab Control Sample	Total/NA	Solid	9012B	782244
460-235430-E-3-B MS	Matrix Spike	Total/NA	Solid	9012B	782244
460-235430-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	782244

Analysis Batch: 782371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	410.4	781602
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	410.4	781602
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	410.4	781602
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	410.4	781602
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	410.4	781602
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	410.4	781602

General Chemistry (Continued)

Analysis Batch: 782371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-782371/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-782371/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-782371/3	Lab Control Sample	Total/NA	Solid	410.4	
460-235455-D-1 MS	Matrix Spike	Total/NA	Solid	410.4	
460-235455-D-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	410.4	

Leach Batch: 782528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782528/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 782622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235054-1	WCR-1	ASTM Leach	Solid	4500 NH3 H	781104
460-235054-2	WCR-2	ASTM Leach	Solid	4500 NH3 H	781104
460-235054-3	WCR-3	ASTM Leach	Solid	4500 NH3 H	781104
460-235054-4	WCR-4	ASTM Leach	Solid	4500 NH3 H	781104
460-235271-1	WCR-5 (0-8)	ASTM Leach	Solid	4500 NH3 H	781413
460-235271-3	WCR-6 (0-8)	ASTM Leach	Solid	4500 NH3 H	781413
460-235271-4	WCR-7 (0-8)	ASTM Leach	Solid	4500 NH3 H	781413
460-235363-1	WCR-8 (0-8)	ASTM Leach	Solid	4500 NH3 H	781602
460-235363-2	WCR-9 (0-8)	ASTM Leach	Solid	4500 NH3 H	781602
460-235434-1	WCR-10 (0-8)	ASTM Leach	Solid	4500 NH3 H	781602
460-235434-3	WCR-11 (0-8)	ASTM Leach	Solid	4500 NH3 H	781602
460-235434-5	WCR-12 (0-8)	ASTM Leach	Solid	4500 NH3 H	781602
LB 460-781104/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781104
LB 460-781412/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781412
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781413
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781602
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	782118
LB 460-782528/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	782528
MB 460-782622/109	Method Blank	Total/NA	Solid	4500 NH3 H	
MB 460-782622/73	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-782622/110	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
LCS 460-782622/74	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-782622/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-235054-2 MS	WCR-2	ASTM Leach	Solid	4500 NH3 H	781104
460-235054-2 MSD	WCR-2	ASTM Leach	Solid	4500 NH3 H	781104
460-235697-H-2-A MS	Matrix Spike	ASTM Leach	Solid	4500 NH3 H	782118
460-235697-H-2-A MSD	Matrix Spike Duplicate	ASTM Leach	Solid	4500 NH3 H	782118

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-1

Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780679	05/27/21 10:07	OTS	TAL EDI
TCLP	Analysis	8270E		1	780752	05/28/21 02:16	MME	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780844	05/27/21 22:36	JMS	TAL EDI
TCLP	Analysis	8081B		1	780809	05/28/21 08:38	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	8151A			780850	05/27/21 23:26	AFR	TAL EDI
TCLP	Analysis	8151A		1	780899	05/28/21 08:52	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3010A			780770	05/27/21 16:20	GAE	TAL EDI
TCLP	Analysis	6010D		5	780967	05/28/21 15:32	CDC	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	7470A			780722	05/27/21 14:05	RBS	TAL EDI
TCLP	Analysis	7470A		1	780760	05/27/21 15:57	RBS	TAL EDI
Total/NA	Analysis	1030		1	780976	05/28/21 11:15	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			133730	06/03/21 17:50	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	135816	06/09/21 10:29	UYB0	ELLE
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 18:26	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			781061	05/28/21 17:29	YAH	TAL EDI
Total/NA	Analysis	9014		1	781064	05/28/21 17:37	YAH	TAL EDI
Total/NA	Prep	7.3.4			781060	05/28/21 17:25	YAH	TAL EDI
Total/NA	Analysis	9034		1	781062	05/28/21 17:34	YAH	TAL EDI
Soluble	Leach	DI Leach			780981	05/26/21 11:38	YAH	TAL EDI
Soluble	Analysis	9040C		1	780982	05/26/21 11:40	YAH	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780982	05/27/21 11:40	YAH	TAL EDI
Total/NA	Analysis	9045D		1	781027	05/28/21 13:59	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780977	05/28/21 10:55	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780339	05/26/21 07:27	PLS	TAL EDI

Client Sample ID: WCR-1

Lab Sample ID: 460-235054-1

Date Collected: 05/23/21 09:50
Date Received: 05/24/21 17:00

Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780250	05/25/21 19:15	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780217	05/26/21 15:35	MME	TAL EDI
Total/NA	Prep	3546			780239	05/25/21 18:05	ARA	TAL EDI
Total/NA	Analysis	8081B		1	780289	05/26/21 09:33	FAM	TAL EDI
Total/NA	Prep	3546			780237	05/25/21 18:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	780383	05/26/21 13:18	DXB	TAL EDI
Total/NA	Prep	8151A			780565	05/26/21 23:04	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780624	05/27/21 09:21	SAK	TAL EDI
Total/NA	Prep	3546			780241	05/25/21 18:13	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	780320	05/26/21 15:43	KMH	TAL EDI
Total/NA	Prep	3050B			780863	05/28/21 03:16	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780946	05/28/21 22:10	MDC	TAL EDI
Total/NA	Prep	7471B			780867	05/28/21 03:37	TJS	TAL EDI
Total/NA	Analysis	7471B		1	780960	05/28/21 09:08	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780735	05/27/21 15:05	VBG	TAL EDI
Total/NA	Analysis	9012B		1	780831	05/27/21 18:59	VBG	TAL EDI
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WCR-2

Lab Sample ID: 460-235054-2

Date Collected: 05/23/21 10:30
Date Received: 05/24/21 17:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780679	05/27/21 10:07	OTS	TAL EDI
TCLP	Analysis	8270E		1	780752	05/28/21 02:37	MME	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780844	05/27/21 22:36	JMS	TAL EDI
TCLP	Analysis	8081B		1	780809	05/28/21 08:51	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	8151A			780850	05/27/21 23:26	AFR	TAL EDI
TCLP	Analysis	8151A		1	780899	05/28/21 09:06	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3010A			780770	05/27/21 16:20	GAE	TAL EDI
TCLP	Analysis	6010D		5	780967	05/28/21 15:36	CDC	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	7470A			780722	05/27/21 14:05	RBS	TAL EDI
TCLP	Analysis	7470A		1	780760	05/27/21 16:04	RBS	TAL EDI
Total/NA	Analysis	1030		1	780976	05/28/21 11:15	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			133730	06/03/21 17:50	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	135816	06/09/21 10:29	UYB0	ELLE

Client Sample ID: WCR-2

Lab Sample ID: 460-235054-2

Date Collected: 05/23/21 10:30

Matrix: Solid

Date Received: 05/24/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 18:22	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			781061	05/28/21 17:29	YAH	TAL EDI
Total/NA	Analysis	9014		1	781064	05/28/21 17:37	YAH	TAL EDI
Total/NA	Prep	7.3.4			781060	05/28/21 17:25	YAH	TAL EDI
Total/NA	Analysis	9034		1	781062	05/28/21 17:34	YAH	TAL EDI
Soluble	Leach	DI Leach			780981	05/26/21 11:38	YAH	TAL EDI
Soluble	Analysis	9040C		1	780982	05/26/21 11:40	YAH	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780982	05/27/21 11:40	YAH	TAL EDI
Total/NA	Analysis	9045D		1	781027	05/28/21 14:00	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780977	05/28/21 11:00	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780339	05/26/21 07:27	PLS	TAL EDI

Client Sample ID: WCR-2

Lab Sample ID: 460-235054-2

Date Collected: 05/23/21 10:30

Matrix: Solid

Date Received: 05/24/21 17:00

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780250	05/25/21 19:15	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780217	05/26/21 15:58	MME	TAL EDI
Total/NA	Prep	3546			780239	05/25/21 18:05	ARA	TAL EDI
Total/NA	Analysis	8081B		1	780289	05/26/21 09:45	FAM	TAL EDI
Total/NA	Prep	3546			780237	05/25/21 18:02	ARA	TAL EDI
Total/NA	Analysis	8082A		1	780383	05/26/21 13:36	DXB	TAL EDI
Total/NA	Prep	8151A			780565	05/26/21 23:04	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780624	05/27/21 09:36	SAK	TAL EDI
Total/NA	Prep	3546			780241	05/25/21 18:13	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	780320	05/26/21 15:59	KMH	TAL EDI
Total/NA	Prep	3050B			780863	05/28/21 03:16	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780946	05/28/21 22:14	MDC	TAL EDI
Total/NA	Prep	7471B			780867	05/28/21 03:37	TJS	TAL EDI
Total/NA	Analysis	7471B		1	780960	05/28/21 09:10	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780735	05/27/21 15:05	VBG	TAL EDI
Total/NA	Analysis	9012B		1	780831	05/27/21 19:01	VBG	TAL EDI

Client Sample ID: WCR-2

Lab Sample ID: 460-235054-2

Date Collected: 05/23/21 10:30

Matrix: Solid

Date Received: 05/24/21 17:00

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WCR-3

Lab Sample ID: 460-235054-3

Date Collected: 05/23/21 10:40

Matrix: Solid

Date Received: 05/24/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780679	05/27/21 10:07	OTS	TAL EDI
TCLP	Analysis	8270E		1	780752	05/28/21 02:58	MME	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780844	05/27/21 22:36	JMS	TAL EDI
TCLP	Analysis	8081B		1	780809	05/28/21 09:03	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	8151A			780850	05/27/21 23:26	AFR	TAL EDI
TCLP	Analysis	8151A		1	780899	05/28/21 09:19	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3010A			780770	05/27/21 16:20	GAE	TAL EDI
TCLP	Analysis	6010D		5	780967	05/28/21 15:40	CDC	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	7470A			780722	05/27/21 14:05	RBS	TAL EDI
TCLP	Analysis	7470A		1	780760	05/27/21 16:06	RBS	TAL EDI
Total/NA	Analysis	1030		1	780976	05/28/21 11:15	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			133730	06/03/21 17:50	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	135816	06/09/21 10:29	UYB0	ELLE
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 18:28	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			781061	05/28/21 17:29	YAH	TAL EDI
Total/NA	Analysis	9014		1	781064	05/28/21 17:37	YAH	TAL EDI
Total/NA	Prep	7.3.4			781060	05/28/21 17:25	YAH	TAL EDI
Total/NA	Analysis	9034		1	781062	05/28/21 17:34	YAH	TAL EDI
Soluble	Leach	DI Leach			780981	05/26/21 11:38	YAH	TAL EDI
Soluble	Analysis	9040C		1	780982	05/26/21 11:40	YAH	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780982	05/27/21 11:40	YAH	TAL EDI
Total/NA	Analysis	9045D		1	781027	05/28/21 14:02	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780977	05/28/21 11:00	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	780339	05/26/21 07:27	PLS	TAL EDI

Client Sample ID: WCR-3
Date Collected: 05/23/21 10:40
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-3
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780250	05/25/21 19:15	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780217	05/26/21 14:26	MME	TAL EDI
Total/NA	Prep	3546			780239	05/25/21 18:05	ARA	TAL EDI
Total/NA	Analysis	8081B		1	780289	05/26/21 09:57	FAM	TAL EDI
Total/NA	Prep	3546			780237	05/25/21 18:12	ARA	TAL EDI
Total/NA	Analysis	8082A		1	780383	05/26/21 13:53	DXB	TAL EDI
Total/NA	Prep	8151A			780565	05/26/21 23:04	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780624	05/27/21 09:50	SAK	TAL EDI
Total/NA	Prep	3546			780241	05/25/21 18:13	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	780320	05/26/21 16:15	KMH	TAL EDI
Total/NA	Prep	3050B			780863	05/28/21 03:16	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780946	05/28/21 22:18	MDC	TAL EDI
Total/NA	Prep	7471B			780867	05/28/21 03:37	TJS	TAL EDI
Total/NA	Analysis	7471B		1	780960	05/28/21 09:12	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780735	05/27/21 15:05	VBG	TAL EDI
Total/NA	Analysis	9012B		1	780831	05/27/21 19:02	VBG	TAL EDI
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780679	05/27/21 10:07	OTS	TAL EDI
TCLP	Analysis	8270E		1	780752	05/28/21 03:19	MME	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3510C			780844	05/27/21 22:36	JMS	TAL EDI
TCLP	Analysis	8081B		1	780809	05/28/21 09:15	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	8151A			780850	05/27/21 23:26	AFR	TAL EDI
TCLP	Analysis	8151A		1	780899	05/28/21 09:33	SAK	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	3010A			780770	05/27/21 16:20	GAE	TAL EDI
TCLP	Analysis	6010D		5	780967	05/28/21 15:44	CDC	TAL EDI

Client Sample ID: WCR-4

Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Prep	7470A			780722	05/27/21 14:05	RBS	TAL EDI
TCLP	Analysis	7470A		1	780760	05/27/21 16:08	RBS	TAL EDI
Total/NA	Analysis	1030		1	780976	05/28/21 11:15	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			133730	06/03/21 17:50	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	135816	06/09/21 10:29	UYB0	ELLE
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 18:29	DLE	TAL EDI
Total/NA	Analysis	7196A		1	780658	06/01/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			781061	05/28/21 17:29	YAH	TAL EDI
Total/NA	Analysis	9014		1	781064	05/28/21 17:37	YAH	TAL EDI
Total/NA	Prep	7.3.4			781060	05/28/21 17:25	YAH	TAL EDI
Total/NA	Analysis	9034		1	781062	05/28/21 17:34	YAH	TAL EDI
Soluble	Leach	DI Leach			780981	05/26/21 11:38	YAH	TAL EDI
Soluble	Analysis	9040C		1	780982	05/26/21 11:40	YAH	TAL EDI
TCLP	Leach	1311			780555	05/26/21 19:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	780982	05/27/21 11:40	YAH	TAL EDI
Total/NA	Analysis	9045D		1	781027	05/28/21 14:04	YAH	TAL EDI
Total/NA	Analysis	9095B		1	780977	05/28/21 11:05	AAP	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781104	05/28/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780339	05/26/21 07:27	PLS	TAL EDI

Client Sample ID: WCR-4

Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4

Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780250	05/25/21 19:15	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780217	05/26/21 10:36	MME	TAL EDI
Total/NA	Prep	3546			780239	05/25/21 18:05	ARA	TAL EDI
Total/NA	Analysis	8081B		1	780289	05/26/21 10:10	FAM	TAL EDI
Total/NA	Prep	3546			780237	05/25/21 20:12	ARA	TAL EDI
Total/NA	Analysis	8082A		1	780383	05/26/21 14:10	DXB	TAL EDI
Total/NA	Prep	8151A			780565	05/26/21 23:04	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780624	05/27/21 10:05	SAK	TAL EDI
Total/NA	Prep	3546			780241	05/25/21 18:13	ARA	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	780320	05/26/21 16:29	KMH	TAL EDI
Total/NA	Prep	3050B			780863	05/28/21 03:16	GMC	TAL EDI
Total/NA	Analysis	6020B		1	780946	05/28/21 22:24	MDC	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-4
Date Collected: 05/23/21 12:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-4
Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			780867	05/28/21 03:37	TJS	TAL EDI
Total/NA	Analysis	7471B		1	780960	05/28/21 09:18	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			780735	05/27/21 15:05	VBG	TAL EDI
Total/NA	Analysis	9012B		1	780831	05/27/21 19:03	VBG	TAL EDI
Total/NA	Prep	9071B			131706	05/28/21 13:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	132210	05/28/21 20:49	QT6L	ELLE

Client Sample ID: WCR-4D (5-7)
Date Collected: 05/24/21 09:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780644	05/27/21 08:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	780934	05/28/21 16:14	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI

Client Sample ID: WCR-4D (5-7)
Date Collected: 05/24/21 09:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-5
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			780271	05/25/21 22:42	AVM	TAL EDI
Total/NA	Analysis	8260D		1	780344	05/26/21 15:56	EMM	TAL EDI

Client Sample ID: WCR-3C (5-7)
Date Collected: 05/24/21 11:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780644	05/27/21 08:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	780934	05/28/21 16:40	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI

Client Sample ID: WCR-3C (5-7)
Date Collected: 05/24/21 11:00
Date Received: 05/24/21 17:00

Lab Sample ID: 460-235054-6
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			780271	05/25/21 22:43	AVM	TAL EDI
Total/NA	Analysis	8260D		1	780344	05/26/21 16:20	EMM	TAL EDI

Client Sample ID: WCR-6B (5-7)

Lab Sample ID: 460-235054-7

Date Collected: 05/24/21 08:45

Matrix: Solid

Date Received: 05/24/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780644	05/27/21 08:12	BJB	TAL EDI
TCLP	Analysis	8260D		10	780934	05/28/21 17:06	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780448	05/26/21 13:36	MMC	TAL EDI

Client Sample ID: WCR-6B (5-7)

Lab Sample ID: 460-235054-7

Date Collected: 05/24/21 08:45

Matrix: Solid

Date Received: 05/24/21 17:00

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			780271	05/25/21 22:44	AVM	TAL EDI
Total/NA	Analysis	8260D		1	780344	05/26/21 16:45	EMM	TAL EDI

Client Sample ID: WCR-5 (0-8)

Lab Sample ID: 460-235271-1

Date Collected: 05/26/21 12:15

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781150	05/29/21 07:15	DXD	TAL EDI
TCLP	Analysis	8270E		1	781240	05/30/21 00:15	YAH	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781130	05/29/21 16:12	JMS	TAL EDI
TCLP	Analysis	8081B		1	781428	06/01/21 06:08	FAM	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			781125	05/29/21 16:00	AFR	TAL EDI
TCLP	Analysis	8151A		1	781458	06/01/21 07:00	SAK	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			781455	06/01/21 05:46	GMC	TAL EDI
TCLP	Analysis	6010D		5	781543	06/01/21 17:51	CDC	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			781525	06/01/21 13:50	RBS	TAL EDI
TCLP	Analysis	7470A		1	781594	06/01/21 15:31	RBS	TAL EDI
Total/NA	Analysis	1030		1	781366	05/30/21 17:16	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			135838	06/09/21 15:31	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137113	06/11/21 21:29	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:51	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/04/21 15:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782010	06/03/21 10:15	YAH	TAL EDI
Total/NA	Analysis	9014		1	782078	06/03/21 17:32	YAH	TAL EDI
Total/NA	Prep	7.3.4			782008	06/03/21 10:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782075	06/03/21 16:59	YAH	TAL EDI

Client Sample ID: WCR-5 (0-8)

Lab Sample ID: 460-235271-1

Date Collected: 05/26/21 12:15

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			782041	05/28/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:02	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	780961	05/28/21 10:23	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780970	05/28/21 10:44	PLS	TAL EDI

Client Sample ID: WCR-5 (0-8)

Lab Sample ID: 460-235271-1

Date Collected: 05/26/21 12:15

Matrix: Solid

Date Received: 05/26/21 18:00

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780798	05/27/21 18:07	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780920	05/28/21 14:54	DAN	TAL EDI
Total/NA	Prep	3546			781082	05/28/21 18:20	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781401	05/31/21 11:24	FAM	TAL EDI
Total/NA	Prep	3546			781077	05/28/21 18:12	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781028	05/31/21 10:07	DXB	TAL EDI
Total/NA	Prep	8151A			780851	05/27/21 23:29	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780898	05/28/21 12:28	SAK	TAL EDI
Total/NA	Prep	3546			781347	05/30/21 15:58	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781476	06/01/21 09:42	KMH	TAL EDI
Total/NA	Prep	3050B			782151	06/04/21 03:04	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 11:43	MDC	TAL EDI
Total/NA	Prep	7471B			781662	06/02/21 02:59	TJS	TAL EDI
Total/NA	Analysis	7471B		1	781783	06/02/21 07:05	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			781034	05/28/21 16:29	OXG	TAL EDI
Total/NA	Analysis	9012B		1	781209	05/29/21 14:31	HTV	TAL EDI
Total/NA	Prep	9071B			133267	06/02/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	133694	06/03/21 08:51	UYB0	ELLE

Client Sample ID: WCR-5C (5-7)

Lab Sample ID: 460-235271-2

Date Collected: 05/26/21 12:20

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780895	05/28/21 06:41	BJB	TAL EDI
TCLP	Analysis	8260D		10	781155	05/29/21 17:36	MZS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-5C (5-7)

Lab Sample ID: 460-235271-2
Date Collected: 05/26/21 12:20
Matrix: Solid
Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	780961	05/28/21 10:23	MMC	TAL EDI

Client Sample ID: WCR-5C (5-7)

Lab Sample ID: 460-235271-2
Date Collected: 05/26/21 12:20
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			780789	05/27/21 17:26	YXG	TAL EDI
Total/NA	Analysis	8260D		1	781145	05/29/21 09:13	AAT	TAL EDI

Client Sample ID: WCR-6 (0-8)

Lab Sample ID: 460-235271-3
Date Collected: 05/26/21 12:40
Matrix: Solid
Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781150	05/29/21 07:15	DXD	TAL EDI
TCLP	Analysis	8270E		1	781240	05/30/21 00:36	YAH	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781130	05/29/21 16:12	JMS	TAL EDI
TCLP	Analysis	8081B		1	781428	06/01/21 06:24	FAM	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			781125	05/29/21 16:00	AFR	TAL EDI
TCLP	Analysis	8151A		1	781458	06/01/21 07:25	SAK	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			781455	06/01/21 05:46	GMC	TAL EDI
TCLP	Analysis	6010D		5	781543	06/01/21 18:53	CDC	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			781528	06/01/21 13:59	RBS	TAL EDI
TCLP	Analysis	7470A		1	781594	06/01/21 15:47	RBS	TAL EDI
Total/NA	Analysis	1030		1	781366	05/30/21 17:16	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			135838	06/09/21 15:31	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137113	06/11/21 21:29	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:52	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/04/21 15:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782010	06/03/21 10:15	YAH	TAL EDI
Total/NA	Analysis	9014		1	782078	06/03/21 17:32	YAH	TAL EDI
Total/NA	Prep	7.3.4			782008	06/03/21 10:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782075	06/03/21 16:59	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	05/28/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI

Client Sample ID: WCR-6 (0-8)

Lab Sample ID: 460-235271-3

Date Collected: 05/26/21 12:40

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:03	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	780961	05/28/21 10:23	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 09:43	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780970	05/28/21 10:44	PLS	TAL EDI

Client Sample ID: WCR-6 (0-8)

Lab Sample ID: 460-235271-3

Date Collected: 05/26/21 12:40

Matrix: Solid

Date Received: 05/26/21 18:00

Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780798	05/27/21 18:07	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780920	05/28/21 15:17	DAN	TAL EDI
Total/NA	Prep	3546			781082	05/28/21 18:20	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781401	05/31/21 11:38	FAM	TAL EDI
Total/NA	Prep	3546			781077	05/28/21 18:12	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781028	05/31/21 10:55	DXB	TAL EDI
Total/NA	Prep	8151A			780851	05/27/21 23:29	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780898	05/28/21 13:09	SAK	TAL EDI
Total/NA	Prep	3546			781347	05/30/21 15:58	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781476	06/01/21 09:55	KMH	TAL EDI
Total/NA	Prep	3050B			782151	06/04/21 03:04	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 11:21	MDC	TAL EDI
Total/NA	Prep	7471B			781662	06/02/21 02:59	TJS	TAL EDI
Total/NA	Analysis	7471B		1	781783	06/02/21 07:07	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			781034	05/28/21 16:29	OXG	TAL EDI
Total/NA	Analysis	9012B		1	781209	05/29/21 14:32	HTV	TAL EDI
Total/NA	Prep	9071B			133267	06/02/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	133694	06/03/21 08:51	UYB0	ELLE

Client Sample ID: WCR-7 (0-8)

Lab Sample ID: 460-235271-4

Date Collected: 05/26/21 13:00

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781150	05/29/21 07:15	DXD	TAL EDI
TCLP	Analysis	8270E		1	781354	05/31/21 02:29	YAH	TAL EDI

Client Sample ID: WCR-7 (0-8)

Lab Sample ID: 460-235271-4

Date Collected: 05/26/21 13:00

Matrix: Solid

Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			781130	05/29/21 16:12	JMS	TAL EDI
TCLP	Analysis	8081B		1	781428	06/01/21 06:40	FAM	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			781125	05/29/21 16:00	AFR	TAL EDI
TCLP	Analysis	8151A		1	781458	06/01/21 07:40	SAK	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			781455	06/01/21 05:46	GMC	TAL EDI
TCLP	Analysis	6010D		5	781543	06/01/21 18:57	CDC	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			781528	06/01/21 13:59	RBS	TAL EDI
TCLP	Analysis	7470A		1	781594	06/01/21 15:48	RBS	TAL EDI
Total/NA	Analysis	1030		1	781366	05/30/21 17:16	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			135838	06/09/21 15:31	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137113	06/11/21 21:29	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	781637	06/01/21 21:18	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:54	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/04/21 15:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782010	06/03/21 10:15	YAH	TAL EDI
Total/NA	Analysis	9014		1	782078	06/03/21 17:32	YAH	TAL EDI
Total/NA	Prep	7.3.4			782008	06/03/21 10:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782075	06/03/21 16:59	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	05/28/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781094	05/28/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:05	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	780961	05/28/21 10:23	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781413	05/31/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781487	06/01/21 13:27	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	780970	05/28/21 10:44	PLS	TAL EDI

Client Sample ID: WCR-7 (0-8)

Lab Sample ID: 460-235271-4

Date Collected: 05/26/21 13:00

Matrix: Solid

Date Received: 05/26/21 18:00

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			780798	05/27/21 18:07	GXY	TAL EDI
Total/NA	Analysis	8270E		1	780920	05/28/21 11:26	DAN	TAL EDI
Total/NA	Prep	3546			781082	05/28/21 18:20	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781401	05/31/21 11:53	FAM	TAL EDI

Client Sample ID: WCR-7 (0-8)

Lab Sample ID: 460-235271-4
Date Collected: 05/26/21 13:00
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781077	05/28/21 18:12	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781028	05/31/21 11:11	DXB	TAL EDI
Total/NA	Prep	8151A			780851	05/27/21 23:29	AFR	TAL EDI
Total/NA	Analysis	8151A		1	780898	05/28/21 13:24	SAK	TAL EDI
Total/NA	Prep	3546			781347	05/30/21 15:58	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781476	06/01/21 10:09	KMH	TAL EDI
Total/NA	Prep	3050B			782151	06/04/21 03:04	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 11:45	MDC	TAL EDI
Total/NA	Prep	7471B			781662	06/02/21 02:59	TJS	TAL EDI
Total/NA	Analysis	7471B		1	781783	06/02/21 07:09	TJS	TAL EDI
Total/NA	Prep	3060A			132221	05/29/21 02:34	UDS7	ELLE
Total/NA	Analysis	7196A		1	132298	05/30/21 03:25	UDS7	ELLE
Total/NA	Prep	9012B			781034	05/28/21 16:29	OXG	TAL EDI
Total/NA	Analysis	9012B		1	781209	05/29/21 14:33	HTV	TAL EDI
Total/NA	Prep	9071B			133267	06/02/21 20:30	QT6L	ELLE
Total/NA	Analysis	9071B		1	133694	06/03/21 08:51	UYB0	ELLE

Client Sample ID: WCR-7B (6-8)

Lab Sample ID: 460-235271-5
Date Collected: 05/26/21 13:05
Matrix: Solid
Date Received: 05/26/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			780895	05/28/21 06:41	BJB	TAL EDI
TCLP	Analysis	8260D		10	781155	05/29/21 18:01	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	780961	05/28/21 10:23	MMC	TAL EDI

Client Sample ID: WCR-7B (6-8)

Lab Sample ID: 460-235271-5
Date Collected: 05/26/21 13:05
Matrix: Solid
Date Received: 05/26/21 18:00
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			780789	05/27/21 17:30	YXG	TAL EDI
Total/NA	Analysis	8260D		1	781145	05/29/21 09:37	AAT	TAL EDI

Client Sample ID: WCR-8 (0-8)

Lab Sample ID: 460-235363-1
Date Collected: 05/27/21 08:00
Matrix: Solid
Date Received: 05/27/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			781773	06/02/21 09:54	OTS	TAL EDI
TCLP	Analysis	8270E		1	781862	06/03/21 01:54	MME	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			781807	06/02/21 13:35	ATF	TAL EDI
TCLP	Analysis	8081B		1	781928	06/03/21 10:04	FAM	TAL EDI

Client Sample ID: WCR-8 (0-8)

Lab Sample ID: 460-235363-1

Date Collected: 05/27/21 08:00

Matrix: Solid

Date Received: 05/27/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			781910	06/02/21 22:37	AFR	TAL EDI
TCLP	Analysis	8151A		1	781957	06/03/21 12:03	SAK	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			782188	06/04/21 06:52	GMC	TAL EDI
TCLP	Analysis	6010D		5	782288	06/04/21 19:11	CDC	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			782049	06/03/21 15:08	RBS	TAL EDI
TCLP	Analysis	7470A		1	782092	06/03/21 16:06	RBS	TAL EDI
Total/NA	Analysis	1030		1	781806	06/02/21 12:58	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			136322	06/10/21 18:02	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137609	06/14/21 17:15	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	782371	06/04/21 20:16	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:30	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/08/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782010	06/03/21 10:19	YAH	TAL EDI
Total/NA	Analysis	9014		1	782078	06/03/21 17:32	YAH	TAL EDI
Total/NA	Prep	7.3.4			782008	06/03/21 10:12	YAH	TAL EDI
Total/NA	Analysis	9034		1	782075	06/03/21 16:59	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	06/01/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:06	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	781198	05/29/21 13:40	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781819	06/02/21 14:53	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	781484	06/01/21 09:03	PLS	TAL EDI

Client Sample ID: WCR-8 (0-8)

Lab Sample ID: 460-235363-1

Date Collected: 05/27/21 08:00

Matrix: Solid

Date Received: 05/27/21 19:00

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781083	05/28/21 18:20	GXY	TAL EDI
Total/NA	Analysis	8270E		1	781379	05/31/21 05:18	YAH	TAL EDI
Total/NA	Prep	3546			781084	05/28/21 18:24	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781398	05/31/21 14:52	FAM	TAL EDI
Total/NA	Prep	3546			781078	05/28/21 18:14	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781029	05/31/21 14:06	DXB	TAL EDI

Client Sample ID: WCR-8 (0-8)

Lab Sample ID: 460-235363-1

Date Collected: 05/27/21 08:00
Matrix: Solid
Date Received: 05/27/21 19:00
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			781126	05/28/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	781404	05/31/21 10:44	SAK	TAL EDI
Total/NA	Prep	3546			781347	05/30/21 15:58	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781476	06/01/21 12:23	KMH	TAL EDI
Total/NA	Prep	3050B			782151	06/04/21 03:04	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 12:09	MDC	TAL EDI
Total/NA	Prep	7471B			782153	06/04/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 07:01	TJS	TAL EDI
Total/NA	Prep	3060A			134956	06/07/21 18:31	UDS7	ELLE
Total/NA	Analysis	7196A		1	135047	06/08/21 00:34	UDS7	ELLE
Total/NA	Prep	9012B			781318	05/30/21 11:52	OXG	TAL EDI
Total/NA	Analysis	9012B		1	781524	06/01/21 13:07	HTV	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-9 (0-8)

Lab Sample ID: 460-235363-2

Date Collected: 05/27/21 09:00
Matrix: Solid
Date Received: 05/27/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			781773	06/02/21 09:54	OTS	TAL EDI
TCLP	Analysis	8270E		1	781862	06/03/21 02:15	MME	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			781807	06/02/21 13:35	ATF	TAL EDI
TCLP	Analysis	8081B		1	781928	06/03/21 10:18	FAM	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			781910	06/02/21 22:37	AFR	TAL EDI
TCLP	Analysis	8151A		1	781957	06/03/21 12:16	SAK	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			782188	06/04/21 06:52	GMC	TAL EDI
TCLP	Analysis	6010D		5	782288	06/04/21 19:15	CDC	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			782049	06/03/21 15:08	RBS	TAL EDI
TCLP	Analysis	7470A		1	782092	06/03/21 16:24	RBS	TAL EDI
Total/NA	Analysis	1030		1	781809	06/02/21 13:18	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			136322	06/10/21 18:02	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137609	06/14/21 17:15	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	782371	06/04/21 20:16	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:31	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/08/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782010	06/03/21 10:19	YAH	TAL EDI
Total/NA	Analysis	9014		1	782078	06/03/21 17:32	YAH	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-9 (0-8)

Date Collected: 05/27/21 09:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.4			782008	06/03/21 10:12	YAH	TAL EDI
Total/NA	Analysis	9034		1	782075	06/03/21 16:59	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	06/01/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781595	06/01/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:08	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	781198	05/29/21 13:40	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781819	06/02/21 14:53	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	781484	06/01/21 09:03	PLS	TAL EDI

Client Sample ID: WCR-9 (0-8)

Date Collected: 05/27/21 09:00
Date Received: 05/27/21 19:00

Lab Sample ID: 460-235363-2

Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781083	05/28/21 18:20	GXY	TAL EDI
Total/NA	Analysis	8270E		5	781379	05/31/21 04:44	YAH	TAL EDI
Total/NA	Prep	3546			781084	05/28/21 18:24	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781398	05/31/21 15:08	FAM	TAL EDI
Total/NA	Prep	3546			781078	05/28/21 18:14	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781029	05/31/21 14:23	DXB	TAL EDI
Total/NA	Prep	8151A			781126	05/28/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	781404	05/31/21 10:58	SAK	TAL EDI
Total/NA	Prep	3546			781347	05/30/21 15:58	ZXB	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	781476	06/01/21 12:36	KMH	TAL EDI
Total/NA	Prep	3050B			781940	06/03/21 04:15	GMC	TAL EDI
Total/NA	Analysis	6020B		1	781996	06/03/21 14:23	MDC	TAL EDI
Total/NA	Prep	7471B			782153	06/04/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 07:03	TJS	TAL EDI
Total/NA	Prep	3060A			134956	06/07/21 18:31	UDS7	ELLE
Total/NA	Analysis	7196A		1	135047	06/08/21 00:34	UDS7	ELLE
Total/NA	Prep	9012B			781318	05/30/21 11:52	OXG	TAL EDI
Total/NA	Analysis	9012B		1	781524	06/01/21 13:08	HTV	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-8C (5-7)

Lab Sample ID: 460-235363-3

Date Collected: 05/27/21 08:10

Matrix: Solid

Date Received: 05/27/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781676	06/02/21 03:49	BJB	TAL EDI
TCLP	Analysis	8260D		10	782178	06/04/21 10:12	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	781198	05/29/21 13:40	MMC	TAL EDI

Client Sample ID: WCR-8C (5-7)

Lab Sample ID: 460-235363-3

Date Collected: 05/27/21 08:10

Matrix: Solid

Date Received: 05/27/21 19:00

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781038	05/28/21 16:33	YXG	TAL EDI
Total/NA	Analysis	8260D		1	781741	06/02/21 14:33	MZS	TAL EDI

Client Sample ID: WCR-9D (5-7)

Lab Sample ID: 460-235363-4

Date Collected: 05/27/21 09:10

Matrix: Solid

Date Received: 05/27/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781676	06/02/21 03:49	BJB	TAL EDI
TCLP	Analysis	8260D		10	782178	06/04/21 10:35	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	781198	05/29/21 13:40	MMC	TAL EDI

Client Sample ID: WCR-9D (5-7)

Lab Sample ID: 460-235363-4

Date Collected: 05/27/21 09:10

Matrix: Solid

Date Received: 05/27/21 19:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781038	05/28/21 16:36	YXG	TAL EDI
Total/NA	Analysis	8260D		1	781741	06/02/21 14:57	MZS	TAL EDI

Client Sample ID: WCR-10 (0-8)

Lab Sample ID: 460-235434-1

Date Collected: 05/28/21 08:10

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782004	06/03/21 09:58	OTS	TAL EDI
TCLP	Analysis	8270E		1	782090	06/04/21 01:30	MME	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782009	06/03/21 10:13	ZXB	TAL EDI
TCLP	Analysis	8081B		1	782161	06/04/21 06:54	FAM	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782129	06/03/21 22:41	AFR	TAL EDI
TCLP	Analysis	8151A		1	782191	06/04/21 11:08	SAK	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782188	06/04/21 06:52	GMC	TAL EDI
TCLP	Analysis	6010D		5	782288	06/04/21 19:19	CDC	TAL EDI

Client Sample ID: WCR-10 (0-8)

Lab Sample ID: 460-235434-1

Date Collected: 05/28/21 08:10

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782049	06/03/21 15:08	RBS	TAL EDI
TCLP	Analysis	7470A		1	782092	06/03/21 16:25	RBS	TAL EDI
Total/NA	Analysis	1030		1	781809	06/02/21 13:18	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			136886	06/11/21 13:37	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137609	06/14/21 17:15	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	782371	06/04/21 20:16	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:43	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/08/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782329	06/04/21 16:31	YAH	TAL EDI
Total/NA	Analysis	9014		1	782331	06/04/21 16:36	YAH	TAL EDI
Total/NA	Prep	7.3.4			782326	06/04/21 16:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	782330	06/04/21 16:34	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	06/02/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:26	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781819	06/02/21 14:53	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	781484	06/01/21 09:03	PLS	TAL EDI

Client Sample ID: WCR-10 (0-8)

Lab Sample ID: 460-235434-1

Date Collected: 05/28/21 08:10

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781326	05/30/21 13:52	DMS	TAL EDI
Total/NA	Analysis	8270E		1	781572	06/02/21 04:16	MME	TAL EDI
Total/NA	Prep	3546			781345	05/30/21 15:52	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	781428	06/01/21 13:18	FAM	TAL EDI
Total/NA	Prep	3546			781344	05/30/21 15:48	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	781469	06/01/21 17:31	JHP	TAL EDI
Total/NA	Prep	8151A			782130	06/03/21 22:42	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782192	06/04/21 12:57	SAK	TAL EDI
Total/NA	Prep	3546			781499	06/01/21 10:24	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781723	06/02/21 15:52	KMH	TAL EDI
Total/NA	Prep	3050B			782152	06/04/21 03:08	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 14:32	MDC	TAL EDI

Client Sample ID: WCR-10 (0-8)

Lab Sample ID: 460-235434-1

Date Collected: 05/28/21 08:10

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			782153	06/04/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 07:39	TJS	TAL EDI
Total/NA	Prep	3060A			134956	06/07/21 22:14	UDS7	ELLE
Total/NA	Analysis	7196A		1	135047	06/08/21 00:34	UDS7	ELLE
Total/NA	Prep	9012B			782244	06/04/21 09:45	IAA	TAL EDI
Total/NA	Analysis	9012B		1	782350	06/04/21 17:21	HTV	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-10D (6-8)

Lab Sample ID: 460-235434-2

Date Collected: 05/28/21 08:15

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782178	06/04/21 11:43	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI

Client Sample ID: WCR-10D (6-8)

Lab Sample ID: 460-235434-2

Date Collected: 05/28/21 08:15

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781286	05/30/21 05:37	AAT	TAL EDI
Total/NA	Analysis	8260D		1	781753	06/02/21 19:08	AAT	TAL EDI

Client Sample ID: WCR-11 (0-8)

Lab Sample ID: 460-235434-3

Date Collected: 05/28/21 08:40

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782004	06/03/21 09:58	OTS	TAL EDI
TCLP	Analysis	8270E		1	782090	06/04/21 01:52	MME	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782009	06/03/21 10:13	ZXB	TAL EDI
TCLP	Analysis	8081B		1	782161	06/04/21 07:09	FAM	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782129	06/03/21 22:41	AFR	TAL EDI
TCLP	Analysis	8151A		1	782191	06/04/21 11:21	SAK	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782188	06/04/21 06:52	GMC	TAL EDI
TCLP	Analysis	6010D		5	782288	06/04/21 19:23	CDC	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782049	06/03/21 15:08	RBS	TAL EDI
TCLP	Analysis	7470A		1	782092	06/03/21 16:27	RBS	TAL EDI

Client Sample ID: WCR-11 (0-8)

Lab Sample ID: 460-235434-3

Date Collected: 05/28/21 08:40

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1030		1	781809	06/02/21 13:18	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			136886	06/11/21 13:37	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137609	06/14/21 17:15	QT6L	ELLE
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	782371	06/04/21 20:16	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:45	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/08/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782329	06/04/21 16:31	YAH	TAL EDI
Total/NA	Analysis	9014		1	782331	06/04/21 16:36	YAH	TAL EDI
Total/NA	Prep	7.3.4			782326	06/04/21 16:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	782330	06/04/21 16:34	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	06/02/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:27	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781819	06/02/21 14:53	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	781484	06/01/21 09:03	PLS	TAL EDI

Client Sample ID: WCR-11 (0-8)

Lab Sample ID: 460-235434-3

Date Collected: 05/28/21 08:40

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781326	05/30/21 13:52	DMS	TAL EDI
Total/NA	Analysis	8270E		1	781376	05/31/21 03:53	YAH	TAL EDI
Total/NA	Prep	3546			781345	05/30/21 15:52	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	781428	06/01/21 13:34	FAM	TAL EDI
Total/NA	Prep	3546			781344	05/30/21 15:48	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	781469	06/01/21 17:48	JHP	TAL EDI
Total/NA	Prep	8151A			782130	06/03/21 22:42	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782192	06/04/21 13:12	SAK	TAL EDI
Total/NA	Prep	3546			781499	06/01/21 10:24	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781960	06/03/21 09:32	KMH	TAL EDI
Total/NA	Prep	3050B			782152	06/04/21 03:08	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 14:05	MDC	TAL EDI
Total/NA	Prep	7471B			782153	06/04/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 07:40	TJS	TAL EDI
Total/NA	Prep	3060A			134956	06/07/21 22:14	UDS7	ELLE
Total/NA	Analysis	7196A		1	135047	06/08/21 00:34	UDS7	ELLE

Client Sample ID: WCR-11 (0-8)

Lab Sample ID: 460-235434-3

Date Collected: 05/28/21 08:40

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			782244	06/04/21 09:45	IAA	TAL EDI
Total/NA	Analysis	9012B		1	782350	06/04/21 17:22	HTV	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-11A (5-7)

Lab Sample ID: 460-235434-4

Date Collected: 05/28/21 08:45

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782178	06/04/21 12:06	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI

Client Sample ID: WCR-11A (5-7)

Lab Sample ID: 460-235434-4

Date Collected: 05/28/21 08:45

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781286	05/30/21 05:37	AAT	TAL EDI
Total/NA	Analysis	8260D		1	781753	06/02/21 19:31	AAT	TAL EDI

Client Sample ID: WCR-12 (0-8)

Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782004	06/03/21 09:58	OTS	TAL EDI
TCLP	Analysis	8270E		1	782090	06/04/21 02:13	MME	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782009	06/03/21 10:13	ZXB	TAL EDI
TCLP	Analysis	8081B		1	782161	06/04/21 06:39	FAM	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782129	06/03/21 22:41	AFR	TAL EDI
TCLP	Analysis	8151A		1	782191	06/04/21 11:35	SAK	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782188	06/04/21 06:52	GMC	TAL EDI
TCLP	Analysis	6010D		5	782288	06/04/21 19:28	CDC	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782049	06/03/21 15:08	RBS	TAL EDI
TCLP	Analysis	7470A		1	782092	06/03/21 16:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	781809	06/02/21 13:18	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			136886	06/11/21 13:37	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	137609	06/14/21 17:15	QT6L	ELLE

Client Sample ID: WCR-12 (0-8)

Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20

Matrix: Solid

Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	410.4		1	782371	06/04/21 20:16	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:46	DLE	TAL EDI
Total/NA	Analysis	7196A		1	781706	06/08/21 07:00	TJW	TAL EDI
Total/NA	Prep	7.3.3			782329	06/04/21 16:31	YAH	TAL EDI
Total/NA	Analysis	9014		1	782331	06/04/21 16:36	YAH	TAL EDI
Total/NA	Prep	7.3.4			782326	06/04/21 16:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	782330	06/04/21 16:34	YAH	TAL EDI
Soluble	Leach	DI Leach			782041	06/02/21 13:41	YAH	TAL EDI
Soluble	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
TCLP	Leach	1311			781898	06/02/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	781978	06/03/21 13:49	YAH	TAL EDI
Total/NA	Analysis	9045D		1	782281	06/04/21 13:28	AAP	TAL EDI
Total/NA	Analysis	9095B		1	782006	06/03/21 10:02	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			781602	06/01/21 15:00	YXG	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	781819	06/02/21 14:53	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	781484	06/01/21 09:03	PLS	TAL EDI

Client Sample ID: WCR-12 (0-8)

Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20

Matrix: Solid

Date Received: 05/28/21 19:00

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781326	05/30/21 13:52	DMS	TAL EDI
Total/NA	Analysis	8270E		1	781376	05/31/21 00:24	YAH	TAL EDI
Total/NA	Prep	3546			781345	05/30/21 15:52	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	781428	06/01/21 13:50	FAM	TAL EDI
Total/NA	Prep	3546			781344	05/30/21 15:48	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	781469	06/01/21 18:05	JHP	TAL EDI
Total/NA	Prep	8151A			782130	06/03/21 22:42	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782192	06/04/21 13:27	SAK	TAL EDI
Total/NA	Prep	3546			781499	06/01/21 10:24	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	781723	06/02/21 16:23	KMH	TAL EDI
Total/NA	Prep	3050B			782152	06/04/21 03:08	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782250	06/04/21 13:33	MDC	TAL EDI
Total/NA	Prep	7471B			782153	06/04/21 03:12	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 07:35	TJS	TAL EDI
Total/NA	Prep	3060A			134956	06/07/21 22:14	UDS7	ELLE
Total/NA	Analysis	7196A		1	135047	06/08/21 00:34	UDS7	ELLE
Total/NA	Prep	9012B			782244	06/04/21 09:45	IAA	TAL EDI
Total/NA	Analysis	9012B		1	782350	06/04/21 17:23	HTV	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Client Sample ID: WCR-12 (0-8)

Lab Sample ID: 460-235434-5

Date Collected: 05/28/21 10:20
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-12A (5-7)

Lab Sample ID: 460-235434-6

Date Collected: 05/28/21 10:25
Matrix: Solid
Date Received: 05/28/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782178	06/04/21 12:28	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	781497	06/01/21 10:12	MMC	TAL EDI

Client Sample ID: WCR-12A (5-7)

Lab Sample ID: 460-235434-6

Date Collected: 05/28/21 10:25
Matrix: Solid
Date Received: 05/28/21 19:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781295	05/30/21 06:29	AMS	TAL EDI
Total/NA	Analysis	8260D		1	781753	06/02/21 19:55	AAT	TAL EDI

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235054-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235054-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-235054-1	WCR-1	Solid	05/23/21 09:50	05/24/21 17:00
460-235054-2	WCR-2	Solid	05/23/21 10:30	05/24/21 17:00
460-235054-3	WCR-3	Solid	05/23/21 10:40	05/24/21 17:00
460-235054-4	WCR-4	Solid	05/23/21 12:00	05/24/21 17:00
460-235054-5	WCR-4D (5-7)	Solid	05/24/21 09:00	05/24/21 17:00
460-235054-6	WCR-3C (5-7)	Solid	05/24/21 11:00	05/24/21 17:00
460-235054-7	WCR-6B (5-7)	Solid	05/24/21 08:45	05/24/21 17:00
460-235271-1	WCR-5 (0-8)	Solid	05/26/21 12:15	05/26/21 18:00
460-235271-2	WCR-5C (5-7)	Solid	05/26/21 12:20	05/26/21 18:00
460-235271-3	WCR-6 (0-8)	Solid	05/26/21 12:40	05/26/21 18:00
460-235271-4	WCR-7 (0-8)	Solid	05/26/21 13:00	05/26/21 18:00
460-235271-5	WCR-7B (6-8)	Solid	05/26/21 13:05	05/26/21 18:00
460-235363-1	WCR-8 (0-8)	Solid	05/27/21 08:00	05/27/21 19:00
460-235363-2	WCR-9 (0-8)	Solid	05/27/21 09:00	05/27/21 19:00
460-235363-3	WCR-8C (5-7)	Solid	05/27/21 08:10	05/27/21 19:00
460-235363-4	WCR-9D (5-7)	Solid	05/27/21 09:10	05/27/21 19:00
460-235434-1	WCR-10 (0-8)	Solid	05/28/21 08:10	05/28/21 19:00
460-235434-2	WCR-10D (6-8)	Solid	05/28/21 08:15	05/28/21 19:00
460-235434-3	WCR-11 (0-8)	Solid	05/28/21 08:40	05/28/21 19:00
460-235434-4	WCR-11A (5-7)	Solid	05/28/21 08:45	05/28/21 19:00
460-235434-5	WCR-12 (0-8)	Solid	05/28/21 10:20	05/28/21 19:00
460-235434-6	WCR-12A (5-7)	Solid	05/28/21 10:25	05/28/21 19:00

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins | Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 236054
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WCR-1	5/23/21	0950	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	1
WCR-2	5/23/21	1030	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	2
WCR-3	5/23/21	1040	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	3
WCR-4	5/23/21	1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X		8	4
WCR-4D(5-7)	5/23/21	0900	G	Solid			X													5	5
WCR-3C(5-7)	5/24/21	1100	G	Solid			X													5	6
WCR-6B(5-7)	5/24/21	0245	G	Solid			X													5	7
				Solid																	
				Solid																	
				Solid																	
				Solid																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if
☐ Return To Client ☒ Disposal By

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SDG open

Special Instructions/QC Requirements:

460-235054 Chain of Custody

Empty Kit Relinquished by:		Date:	Time:	Method			
Relinquished by:	Date/Time: 5-24-21 1500	Company: ROUX	Received by:	Date/Time: 05/24/21 15:00	Company: TAN YC		
Relinquished by:	Date/Time: 05/24/21 17:00	Company: TAN YC	Received by:	Date/Time: 5/24/21 1700	Company: TAT		
Relinquished by:	Date/Time: 5.24.21 1700	Company: TAT	Received by:	Date/Time: 5/24/21 1700	Company: TAT		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:				

Ver: 01/16/2019

2015 ICC

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 235054

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	20 °C	15 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [illegible] **Date:** 5 24 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 336271
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WCR-5(0-8)	5-26-21	1215	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	1
WCR-5C(5-7)		1220	G	Solid			X												5	2
WCR-6 (0-8)		1240	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	3
WCR-7 (0-8)		1300	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	4
WCR-7B (6-8)	↓	1305	G	Solid			X												5	5
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

SHORT HOLD

460-235271 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SOG open	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5-26-21, 15:00			05/26/21 15:00	TA NYC
Relinquished by:	Date/Time: 05/26/21 17:00	Company TA NYC	Received by:	Date/Time: 5/26/21 1600	Company
Relinquished by:	Date/Time: 5/26/21 1800	Company	Received by:	Date/Time: 5/26/21 1800	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

2.6 21 ZG

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236291

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	26 °C	27 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 8/26

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 235363
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

460-235363 Chain of Custody

J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	N	N	N	N	N	N	N	N		
WCR-8 (0-3)	5-27-21	0800	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	1
WCR-9 (0-3)		0900	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	2
WCR-8D (5-7)		0810	G	Solid			X												5	3
WCR-9D (5-7)		0910	G	Solid			X												5	4
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SDG Open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-27-21, 15:00	ROUX		05/27/21 15:00	TA NYC
2		05/27/21 17:00	TA NYC		5/27/21	1800
3		5/27/21 1900			5/27/21 1900	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2.5 NO IRG 20 FS ZEC

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236363

Number of Coolers: 2 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	25 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	20 °C	15 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] **Date:** 5 27 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 922

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Dan Mieczkowski	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 235434
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amch, H - Ascorbic Acid, I - Ice, J - DI, K - EDA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, ... Decahydrate, ...ecify)
Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WCR-10 (0-8)	5-28-21	0810	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	1
WCR-10D (6-8)		0815	G	Solid			X												5	2
WCR-11 (0-8)		0840	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	3
WCR-11A (5-7)		0845	G	Solid			X												5	4
WCR-12 (0-8)		1020	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	5
WCR-12A (5-7)		1025	G	Solid			X												5	6
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

460-235434 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Class SDG

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-28-21 12:00	DNA		05/28/21 12:00	TANYC
2		05/28/21 16:00	TANYC		5/28/21 1600	
3		5/28/21 1900			5/29/21 1900	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

25 20 LS 9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 235434

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 °C	2.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] **Date:** 5 28 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61673.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: ~~Eurofins Lancaster Laboratories Env LLC~~		Accreditations Required (See note): NELAP - New York		Job #: 460-235054-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/28/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WCR-1 (460-235054-1)	5/23/21	09:50 Eastern		Solid			X	X	X	1	
WCR-2 (460-235054-2)	5/23/21	10:30 Eastern		Solid			X	X	X	1	
WCR-3 (460-235054-3)	5/23/21	10:40 Eastern		Solid			X	X	X	1	
WCR-4 (460-235054-4)	5/23/21	12:00 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	5/26/21 15:40	ECC	B. Boyd	5/26/21 15:40	ECC
Relinquished by: B. Boyd	5/26/21 1857	ECC			
Relinquished by:			Received by:	5.26.21 1923	ECC

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.0

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61729.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-235363-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/3/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WCR-8 (0-8) (460-235363-1)	5/27/21	08:00 Eastern		Solid			X	X	X	1	
WCR-9 (0-8) (460-235363-2)	5/27/21	09:00 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	6/1/21 16:40	Eurofins		6/1/21 16:40	ECL
Relinquished by:	6/1/21 19:40	ECL			
Relinquished by:				6/1/21 1940	ECL

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61729.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-235434-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/4/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WC-10(0-8) (460-235434-1)	5/28/21	08:10 Eastern		Solid			X	X	X	1	
WC-11(0-8) (460-235434-3)	5/28/21	08:40 Eastern		Solid			X	X	X	1	
WC-12(0-8) (460-235434-5)	5/28/21	10:20 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	6/1/21 16:40	Eurofins		6/1/21 16:40	ELLE
Relinquished by:	6/1/21 19:40	ELLE			
Relinquished by:				6/1/21 1940	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235054
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235054
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/26/21 09:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235271
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235271
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 05/27/21 07:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235363
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235363
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/01/21 08:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235434
List Number: 1
Creator: Hall, Alonzo

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235054-1

Login Number: 235434
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/01/21 08:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-235626-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 6:01:47 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

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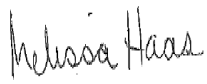
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 6:01:47 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-235626-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-235626-1
Revised Report #1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

REVISED REPORT #1
The following report required a revision: 460-235626-1. Details are as follows: The client requested that the sample ID of 460-235918-4 be changed from ID WC-18 (0-8) to WCR-16 (0-8).

RECEIPT
The samples were received on 6/1/2021 6:30 PM, 6/2/2021 6:40 PM, 6/3/2021 6:00 PM and 6/4/2021 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.5º C, 2.0º C, 2.5º C, 2.7º C and 2.7º C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. WCR-16B (3-5) (460-235918-5) Quantity is 8 on the COC but received 5 containers. In addition, the COC indicated that the SDG was still open, but the client requested that the lab close it with the receipt of these samples.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS
Samples WCR-15B (6-8) (460-235697-1), WC-23C (13-15) (460-235812-1), WCR-13C (6-8) (460-235626-2), WC-23A (6-8) (460-235812-2), WCR-14C (1-3) (460-235626-3), WCR-17B (1-3) (460-235812-3), WC-26C (1-3) (460-235918-3), WC-24B (1-3) (460-235697-4), WC-23D (1-3) (460-235812-4) and WCR-16B (3-5) (460-235918-5) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 06/03/2021 and 06/05/2021 and analyzed on 06/07/2021, 06/09/2021 and 06/10/2021.

Samples WCR-15B (6-8) (460-235697-1)[10X], WC-23C (13-15) (460-235697-1)[10X], WCR-13C (6-8) (460-235697-2)[10X], WC-23A (6-8) (460-235697-2)[10X], WCR-14C (1-3) (460-235697-3)[10X], WCR-17B (1-3) (460-235697-3)[10X], WC-26C (1-3) (460-235697-3)[10X],

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

WC-24B (1-3) (460-235697-4)[10X], WC-23D (1-3) (460-235697-4)[10X] and WCR-16B (3-5) (460-235697-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-782671 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-782671 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-783311 was outside the method criteria for the following analytes: 1,1-Dichloroethene (bias low) and Carbon tetrachloride (bias high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-783311 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-783157 was outside the method criteria for the following analytes: 1,1-Dichloroethene (bas low) and Carbon tetrachloride (bias high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-783157 recovered outside control limits for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-15B (6-8) (460-235697-1), WC-23C (13-15) (460-235812-1), WCR-13C (6-8) (460-235626-2), WC-23A (6-8) (460-235812-2), WCR-14C (1-3) (460-235626-3), WCR-17B (1-3) (460-235812-3), WC-26C (1-3) (460-235918-3), WC-24B (1-3) (460-235697-4), WC-23D (1-3) (460-235812-4) and WCR-16B (3-5) (460-235918-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 06/02/2021, 06/04/2021 and 06/05/2021 and analyzed on 06/05/2021 and 06/07/2021.

The continuing calibration verification (CCV) associated with batch 460-782061 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-782061 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following LB3 contained an allowable number of surrogate compounds outside limits: (LB3 460-781840/1-A). These results have been reported and qualified.

The laboratory control sample duplicate (LCSD) for analytical batch 460-782319 recovered outside control limits for the following analyte: 1,2,4-Trichlorobenzene. This analyte was biased low in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-782408 recovered above the upper control limit for

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 06/04/2021, 06/06/2021 and 06/07/2021, prepared on 06/06/2021, 06/07/2021 and 06/08/2021 and analyzed on 06/07/2021, 06/08/2021 and 06/09/2021.

The continuing calibration verification (CCV) associated with batch 460-782733 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-782900 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batch 460-782853 and analytical batch 460-782900 recovered outside control limits for many analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-782900 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing calibration verification (CCV) associated with batch 460-782900 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-783143 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-783143 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-782992 and analytical batch 460-783143 recovered outside control limits for the following analytes: 2,4-D. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP herbicides analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 06/04/2021, 06/06/2021 and 06/07/2021, prepared on 06/06/2021, 06/07/2021 and 06/08/2021 and analyzed on 06/06/2021, 06/08/2021 and 06/09/2021.

The laboratory control sample duplicate (LCSD) for preparation batch 460-782712 and analytical batch 460-782849 recovered outside control limits for the following analytes: 1,4-Dichlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP semivolatiles analysis.

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 06/02/2021, 06/04/2021 and 06/06/2021 and analyzed on 06/03/2021, 06/05/2021, 06/06/2021 and 06/08/2021.

The continuing calibration verification (CCV) analyzed in batch 460-781858 was outside the method criteria for the following analyte(s): Benzaldehyde and Benzo[a]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) associated with preparation batch 460-781877 and analytical batch 460-781858 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

The continuing calibration verification (CCV) analyzed in batch 460-782355 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, 2-Nitrophenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-782252 and analytical batch 460-782355 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, 2,6-Dinitrotoluene, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol and 2-Nitrophenol. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-782483 was outside the method criteria for the following analyte(s): Benzaldehyde and Benzo[a]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The following laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with batch 460-782252 contained one acid/base surrogate outside acceptance limits:(LCS 460-782252/2-A) and (LCSD 460-782252/3-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-782628 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene, Benzo[a]pyrene and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-782811 was outside the method criteria for the following analyte(s): Benzaldehyde and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes failed the recovery criteria low for the MS of sample 460-235634-5 in batch 460-781858.

Several analytes failed the recovery criteria low for the MSD of sample 460-235634-5 in batch 460-781858. 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol exceeded the RPD limit.

4-Methylphenol failed the recovery criteria low for the MSD of sample 460-235670-1 in batch 460-782355.

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Several analytes failed the recovery criteria low for the MS of sample 460-235930-4 in batch 460-782628.

Several analytes failed the recovery criteria low for the MSD of sample 460-235930-4 in batch 460-782811. Several analytes exceeded the RPD limit.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 06/04/2021, 06/06/2021 and 06/07/2021, prepared on 06/05/2021, 06/07/2021 and 06/08/2021 and analyzed on 06/07/2021, 06/08/2021 and 06/09/2021.

The continuing calibration verification (CCV) for Methoxychlor recovered outside the lower control limit on the secondary column but within control limits on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported on the primary column. (CCVIS 460-782647/7)

The continuing calibration verification (CCV) for Methoxychlor was outside control criteria on the secondary column but within control limits on primary column. The samples were reported on the primary column for analytes detected. The data have been qualified and reported. (CCVIS 460-782865/3)

No other difficulties were encountered during the TCLP pesticides analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 06/02/2021, 06/03/2021, 06/05/2021 and 06/06/2021 and analyzed on 06/03/2021, 06/04/2021, 06/07/2021 and 06/08/2021.

The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the column due to matrix interference: WC-24 (0-5) (460-235697-3). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

The %RPD between the primary and confirmation column exceeded 40 4,4'-DDT> for the following sample: WC-24 (0-5) (460-235697-3). The> lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Decachlorobiphenyl surrogate recovery for this samples were outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.(460-235894-B-1-D MS) and (460-235894-B-1-E MSD)

The continuing calibration verification (CCV) associated with batch 460-782870 recovered above the upper control limit for Endosulfan I and Endosulfan II on the secondasry column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-782870/3).

The DCB Decachlorobiphenyl surrogate recovery for the CCV was outside acceptance limits (high biased) on the confirmation column: (CCVIS 460-782870/3). The recovery is within acceptance limits on the other column, the data have been reported.

No other difficulties were encountered during the Pesticides analysis.

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/02/2021, 06/03/2021, 06/05/2021 and 06/06/2021 and analyzed on 06/03/2021, 06/04/2021, 06/07/2021 and 06/09/2021.

The following sample was diluted to bring the concentration of target analytes within the calibration range: WC-24 (0-5) (460-235697-3) at 2.0 and 2.0. Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes within the calibration range: WC-26 (0-5) (460-235918-2) at 2.0 and 2.0. Elevated reporting limits (RLs) are provided.

The following sample was diluted due to abundance of target analytes WC-26 (0-5) (460-235918-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 06/04/2021 and 06/07/2021 and analyzed on 06/07/2021, 06/08/2021 and 06/09/2021.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 06/03/2021 and 06/07/2021 and analyzed on 06/04/2021 and 06/08/2021.

No difficulties were encountered during the NJEPH analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 06/04/2021, 06/06/2021 and 06/07/2021, prepared on 06/05/2021, 06/08/2021 and 06/09/2021 and analyzed on 06/06/2021, 06/07/2021, 06/08/2021 and 06/10/2021.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared and analyzed on 06/07/2021 and 06/10/2021.

The method blank for preparation batch 460-782641 and analytical batch 460-782702 contained Potassium above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Several analytes failed the recovery criteria low for the MS of sample WCR-13 (0-8)MS (460-235626-1) in batch 460-782702. Aluminum, Arsenic and Lead failed the recovery criteria high.

Antimony, Iron and Lead failed the recovery criteria low for the MS of sample 460-235766-1 in batch 460-782702. Aluminum failed the recovery criteria high.

Antimony, Arsenic, Iron and Zinc failed the recovery criteria low for the MS of sample 460-235894-1 in batch 460-783489. Several analytes failed the recovery criteria high.

Chromium, Iron, Lead and Vanadium exceeded the RPD limit for the duplicate of sample WCR-13 (0-8)DU (460-235626-1). Antimony, Calcium and Magnesium exceeded the RPD limit for the duplicate of sample 460-235766-1. Antimony, Arsenic, Cadmium, Iron, Lead and Zinc exceeded the RPD limit for the duplicate of sample 460-235894-1.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared on 06/10/2021 and analyzed on 06/11/2021.

Cr (VI) exceeded the RPD limit for the duplicate of sample WC-23_WC-24 (10-18)DU (460-235812-6).

No other difficulties were encountered during the hexchrome Cr6 analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 06/04/2021, 06/06/2021 and 06/07/2021, and prepared and analyzed on 06/07/2021 and 06/09/2021.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 06/04/2021, 06/07/2021, 06/08/2021 and 06/10/2021.

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Mercury failed the recovery criteria high for the MS of sample 460-235894-1 in batch 460-782959.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 06/08/2021 and 06/09/2021.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8)(460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were leached on 06/14/2021 and analyzed on 06/15/2021.

HEM failed the recovery criteria low for the MS of sample 410-42551-2 in batch 410-138166.

No other difficulties were encountered during the SGT-HEM/HEM analysis.

All other quality control parameters were within the acceptance limits.

TOTAL VOLATILE SOLIDS

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for total volatile solids in accordance with SM 2540G. The samples were analyzed on 06/03/2021 and 06/07/2021.

Total Solids was detected in method blank MB 460-782037/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Total Solids was detected in method blank MB 460-782700/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Total Volatile Solids exceeded the RPD limit for the duplicate of sample 460-235474-1. Total Volatile Solids exceeded the RPD limit for the duplicate of sample WC-26 (0-5)DU (460-235918-2).

No other difficulties were encountered during the TVS analysis.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND, ASTM

Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for chemical oxygen demand, ASTM in accordance with EPA Method 410.4 (ASTM Leach D3987-85). The samples were leached on 06/03/2021 and 06/06/2021 and analyzed on 06/14/2021.

No difficulties were encountered during the COD analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-235626-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TRIVALENT CHROMIUM
Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 06/11/2021.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 06/06/2021 and 06/09/2021 and analyzed on 06/07/2021 and 06/10/2021.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-235120-3 in batch 460-782772.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Samples WCR-13 (0-8) (460-235626-1), WCR-17 (0-8) (460-235918-1), WCR-15 (0-8) (460-235697-2), WC-26 (0-5) (460-235918-2), WC-24 (0-5) (460-235697-3), WCR-14 (0-8) (460-235626-4), WCR-16 (0-8) (460-235918-4), WC-23 (0-5) (460-235812-5), WC-23_WC-24 (10-18) (460-235812-6) and WC-23_WC-24 (5-10) (460-235812-7) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared a

Client Sample ID: WCR-13 (0-8) — Lab Sample ID: 460-235626-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.021	J *	0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.022	J	0.035	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.021	J	0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.029	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0086	J	0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.016	J *	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.021	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.021	J	0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.010	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.021	J	0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Arsenic	0.018	J	0.075	0.017	mg/L	5		6010D	TCLP
Barium	0.35	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.030	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	7950		21.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	51.8		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.43		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.12	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1170		107	18.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.6		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.2		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	23.1		2.1	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	19900		64.2	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	13.8		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2610		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	381		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1210		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.14	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	466		107	16.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	39.9		8.6	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	19.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.66		0.44	0.15	mg/Kg	1	☼	7196A	Total/NA
pH	9.4	HF			SU	1		9045D	Total/NA
Corrosivity	9.4	HF			SU	1		9045D	Total/NA
Oil & Grease	393	J	637	212	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.6		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.5		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5	H			S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	2.8	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	195		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-13C (6-8) — Lab Sample ID: 460-235626-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-14C (1-3) — Lab Sample ID: 460-235626-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.00098	J	0.0012	0.00040	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WCR-14 (0-8) — Lab Sample ID: 460-235626-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.011	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.028	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.051	*	0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.052		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.059		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.030	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.022	J	0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.045	J *	0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.013	J	0.36	0.0050	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.096	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.011	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.038		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.021	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.11	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.086	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	61		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Arsenic	0.017	J	0.075	0.017	mg/L	5		6010D	TCLP
Barium	0.46	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.020	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5590		20.3	2.6	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.7		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	39.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Calcium	3160		101	17.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.4		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	21.0		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	11700		60.9	20.5	mg/Kg	1	☼	6020B	Total/NA
Lead	19.7		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2850		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	260		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.5		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	940		101	11.4	mg/Kg	1	☼	6020B	Total/NA
Sodium	408		101	15.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.063	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	34.9		8.1	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	13.2		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.19	J	0.46	0.15	mg/Kg	1	☼	7196A	Total/NA
pH	9.5	HF			SU	1		9045D	Total/NA
Corrosivity	9.5	HF			SU	1		9045D	Total/NA
Oil & Grease	324	J	648	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.8	H			S.U.	1		9040C	Soluble

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-14 (0-8) (Continued)
Lab Sample ID: 460-235626-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	3.0	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	145		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-15B (6-8)
Lab Sample ID: 460-235697-1

No Detections.

Client Sample ID: WCR-15 (0-8)
Lab Sample ID: 460-235697-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.034	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.070		0.036	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.069		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.085		0.036	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.040	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.036		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.081	J	0.36	0.0060	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.13	J	0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.041		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.11	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.13	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Total EPH (C9-C40)	76		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.33	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	6180		20.2	2.6	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	43.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.33	J	0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Calcium	1360		101	17.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.9		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	17.2		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	11300		60.5	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	12.7		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2220		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	292		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.3		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	872	B	101	11.3	mg/Kg	1	☼	6020B	Total/NA
Sodium	527		101	15.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.070	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.7		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	25.0		8.1	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.016	J	0.017	0.0040	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.9		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	9.3	HF			SU	1		9045D	Total/NA
Corrosivity	9.3	HF			SU	1		9045D	Total/NA
Oil & Grease	412	J	641	214	mg/Kg	1	☼	9071B	Total/NA
Total Solids	94.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5	H			S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-15 (0-8) (Continued)
Lab Sample ID: 460-235697-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	2.3	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	159		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-24 (0-5)
Lab Sample ID: 460-235697-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.059	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.062	J	0.39	0.0039	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.081	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.16		0.039	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.18		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.30		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.15	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.097		0.039	0.0076	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.039	J	0.39	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.022	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.17	J	0.39	0.0065	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.040		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.034	J	0.39	0.0054	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.24	J	0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.010	J	0.39	0.0053	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.16		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.075	J	0.39	0.0067	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.16	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.22	J	0.39	0.0096	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.26		0.039	0.0046	mg/Kg	5	☼	8081B	Total/NA
4,4'-DDT	0.33	p	0.039	0.0072	mg/Kg	5	☼	8081B	Total/NA
Aroclor 1260	2.4		0.16	0.022	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	2.4		0.16	0.022	mg/Kg	2	☼	8082A	Total/NA
Total EPH (C9-C40)	84		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.43	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0038	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.025	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	8540		22.1	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.58	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	72.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.46		0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.44	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3830		110	18.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	23.7		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.7		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	77.0		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	22200		66.3	22.3	mg/Kg	1	☼	6020B	Total/NA
Lead	95.2		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2790		110	11.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	488		4.4	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	19.3		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1070	B	110	12.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.44	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-24 (0-5) (Continued) — Lab Sample ID: 460-235697-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	442		110	17.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.19	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	33.1		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	102		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.038		0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	22.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.95		0.51	0.17	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.29		0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	9.9	HF			SU	1		9045D	Total/NA
Corrosivity	9.9	HF			SU	1		9045D	Total/NA
Oil & Grease	336	J	696	232	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.2	H			S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	2.1	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	210		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-24B (1-3) — Lab Sample ID: 460-235697-4

No Detections.

Client Sample ID: WC-23C (13-15) — Lab Sample ID: 460-235812-1

No Detections.

Client Sample ID: WC-23A (6-8) — Lab Sample ID: 460-235812-2

No Detections.

Client Sample ID: WCR-17B (1-3) — Lab Sample ID: 460-235812-3

No Detections.

Client Sample ID: WC-23D (1-3) — Lab Sample ID: 460-235812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.021		0.0090	0.0086	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WC-23 (0-5) — Lab Sample ID: 460-235812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.057		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.046		0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.066		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.026	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.023	J	0.037	0.0074	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.052	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.088	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.090	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.033	J	0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.10	J	0.37	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.099	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.0044	J	0.0076	0.0014	mg/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-23 (0-5) (Continued)
Lab Sample ID: 460-235812-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total EPH (C9-C40)	300		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.33	J	1.0	0.066	mg/L	5		6010D	TCLP
Chromium	0.057		0.050	0.025	mg/L	5		6010D	TCLP
Aluminum	7820		21.0	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.16	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.0		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	73.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.47		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	14300		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.4		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	32.6		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	16800		63.0	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	107		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3140		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	273		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.5		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	880		105	11.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.48	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	463		105	16.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	57.1		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.12		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	17.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	1.1		0.47	0.16	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.12	J	0.23	0.12	mg/Kg	1	☼	9012B	Total/NA
pH	11.0	HF			SU	1		9045D	Total/NA
Corrosivity	11.0	HF			SU	1		9045D	Total/NA
Oil & Grease	251	J	669	223	mg/Kg	1	☼	9071B	Total/NA
Total Solids	90.1		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	11.0	H			S.U.	1		9040C	Soluble
pH	6.8				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	1.8	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	284		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-23_WC-24 (10-18)
Lab Sample ID: 460-235812-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.68	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	4720		22.6	2.9	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	67.8		2.3	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Calcium	5750		113	19.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.2		2.3	0.20	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.2		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	12.1		2.3	0.25	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-23_WC-24 (10-18) (Continued)
Lab Sample ID: 460-235812-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	10400		67.8	22.8	mg/Kg	1	☼	6020B	Total/NA
Lead	3.3		0.68	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4190		113	11.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	407		4.5	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	10.2		2.3	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	1020		113	12.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	227		113	17.6	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.5		2.3	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	24.7		9.0	2.6	mg/Kg	1	☼	6020B	Total/NA
Cr (III)	9.9		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.26	J	0.48	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	9.2	HF			SU	1		9045D	Total/NA
Corrosivity	9.2	HF			SU	1		9045D	Total/NA
Total Solids	82.4		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	0.58		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.0	H			S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	2.1	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	107		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-23_WC-24 (5-10)
Lab Sample ID: 460-235812-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.33	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	5930		21.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	48.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	3810		106	18.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.6		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.8		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	10.8		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	10800		63.6	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	8.8		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3970		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	261		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	10.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1240		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Sodium	239		106	16.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.061	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.0		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	24.6		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Cr (III)	12.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Total Solids	85.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.4	H			S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-23_WC-24 (5-10) (Continued)
Lab Sample ID: 460-235812-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM	1.5	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	144		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-17 (0-8)
Lab Sample ID: 460-235918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.013	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.012	J	0.39	0.0039	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.061		0.039	0.014	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.060		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.087		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.041	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.029	J	0.039	0.0077	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.071	J	0.39	0.021	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.033	J	0.39	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.077	J	0.39	0.0066	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.031	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.10	J	0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.039		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.026	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.070	J	0.39	0.0069	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.093	J	0.39	0.0097	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.74		0.079	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.74		0.079	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	110		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.53	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0018	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.038	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	7080		23.0	3.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.44	J	1.1	0.17	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.6		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.2		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.35	J	0.46	0.065	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	17800		115	19.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.9		2.3	0.20	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	37.4		2.3	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	19800		68.9	23.2	mg/Kg	1	☼	6020B	Total/NA
Lead	76.1		0.69	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2720		115	11.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	393		4.6	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.4		2.3	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	869		115	12.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Sodium	298		115	17.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.066	J	0.46	0.047	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.5		2.3	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	74.8		9.2	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.12		0.019	0.0044	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	16.2		2.0	2.0	mg/Kg	1		7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-17 (0-8) (Continued)
Lab Sample ID: 460-235918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.75		0.50	0.17	mg/Kg	1	☼	7196A	Total/NA
pH	8.4	HF			SU	1		9045D	Total/NA
Corrosivity	8.4	HF			SU	1		9045D	Total/NA
Oil & Grease	318	J	706	235	mg/Kg	1	☼	9071B	Total/NA
Total Solids	88.3		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.3	H			S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
Total Solids	211		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.015	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.052		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.059		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.093		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.046	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.036		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.052	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.054	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.075	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.062		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.018	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.043	J	0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.067	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	1.5		0.15	0.020	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	1.5		0.15	0.020	mg/Kg	2	☼	8082A	Total/NA
Total EPH (C9-C40)	140		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.25	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0023	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.030	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	7070		20.8	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	34.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.38	J	0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2100		104	17.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.7		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	29.4		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	16400		62.4	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	48.5		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2570		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	347		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.6		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	1140		104	11.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.20	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	676		104	16.2	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-26 (0-5) (Continued) — Lab Sample ID: 460-235918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.069	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.6		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	53.4		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.049		0.018	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.33		0.25	0.14	mg/Kg	1	☼	9012B	Total/NA
pH	9.8	HF			SU	1		9045D	Total/NA
Corrosivity	9.8	HF			SU	1		9045D	Total/NA
Oil & Grease	553	J	650	217	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.0		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	2.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6	H			S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
HEM	1.7	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	223		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-26C (1-3) — Lab Sample ID: 460-235918-3

No Detections.

Client Sample ID: WCR-16 (0-8) — Lab Sample ID: 460-235918-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.049	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.025	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.058	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.26		0.036	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.27		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.40		0.036	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.19	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.12		0.036	0.0070	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.052	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.022	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.29	J	0.36	0.0060	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.068		0.036	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.028	J	0.36	0.0050	mg/Kg	1	☼	8270E	Total/NA
Diethyl phthalate	0.012	J	0.36	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.42		0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.014	J	0.36	0.0048	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.21		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.051	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.24	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.37		0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.31		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.31		0.072	0.0099	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	210		4.3	4.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.61	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0060	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.28		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5740		20.9	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.7		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-16 (0-8) (Continued)
Lab Sample ID: 460-235918-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	76.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.51	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	5040		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.9		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	71.4		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	17900		62.7	21.1	mg/Kg	1	☼	6020B	Total/NA
Lead	319		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2320		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	331		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.5		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	913		105	11.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.54	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.16	J	1.0	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	869		105	16.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.26	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	310		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.12		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.9		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.18	J	0.23	0.13	mg/Kg	1	☼	9012B	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Oil & Grease	1030		636	212	mg/Kg	1	☼	9071B	Total/NA
Total Solids	105		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	6.7		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.2	H			S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	24.5				Degrees C	1		9040C	TCLP
Ammonia	0.084	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	273		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WCR-16B (3-5)
Lab Sample ID: 460-235918-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.0014	J	0.0015	0.0014	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-13 (0-8)
Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1
Matrix: Solid
Percent Solids: 93.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0047	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0064	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4-Dimethylphenol	0.35	U	0.35	0.016	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
3-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Acenaphthylene	0.35	U	0.35	0.0036	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzo[a]anthracene	**0.021**	**J ***	0.035	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzo[a]pyrene	**0.022**	**J**	0.035	0.0094	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzo[b]fluoranthene	**0.021**	**J**	0.035	0.0092	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzo[g,h,i]perylene	**0.029**	**J**	0.35	0.010	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Benzo[k]fluoranthene	**0.0086**	**J**	0.035	0.0069	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Chrysene	**0.016**	**J ***	0.35	0.0060	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Dibenzofuran	0.35	U	0.35	0.0050	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1

Client Sample ID: WCR-13 (0-8)
Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1
Matrix: Solid
Percent Solids: 93.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Fluoranthene	**0.021**	**J**	0.35	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Fluorene	0.35	U	0.35	0.0048	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Hexachlorobutadiene	0.072	U	0.072	0.0075	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Indeno[1,2,3-cd]pyrene	**0.021**	**J**	0.035	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Nitrobenzene	0.035	U	0.035	0.0085	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Pentachlorophenol	0.28	U	0.28	0.073	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Phenanthrene	**0.010**	**J**	0.35	0.0062	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1
Pyrene	**0.021**	**J**	0.35	0.0088	mg/Kg	☼	06/02/21 18:04	06/03/21 08:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 18:04*	*06/03/21 08:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 123*	*06/02/21 18:04*	*06/03/21 08:31*	*1*
2-Fluorobiphenyl	*74*		*14 - 103*	*06/02/21 18:04*	*06/03/21 08:31*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 105*	*06/02/21 18:04*	*06/03/21 08:31*	*1*
Nitrobenzene-d5 (Surr)	*72*		*11 - 104*	*06/02/21 18:04*	*06/03/21 08:31*	*1*
Phenol-d5 (Surr)	*73*		*15 - 100*	*06/02/21 18:04*	*06/03/21 08:31*	*1*
Terphenyl-d14 (Surr)	*81*		*12 - 126*	*06/02/21 18:04*	*06/03/21 08:31*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/06/21 07:08	06/06/21 21:50	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/06/21 07:08	06/06/21 21:50	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/06/21 07:08	06/06/21 21:50	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/06/21 07:08	06/06/21 21:50	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/06/21 07:08	06/06/21 21:50	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/06/21 07:08	06/06/21 21:50	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/06/21 07:08	06/06/21 21:50	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/06/21 07:08	06/06/21 21:50	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/06/21 07:08	06/06/21 21:50	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/06/21 07:08	06/06/21 21:50	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/06/21 07:08	06/06/21 21:50	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/06/21 07:08	06/06/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*33 - 150*	*06/06/21 07:08*	*06/06/21 21:50*	*1*
2-Fluorobiphenyl	*66*		*42 - 127*	*06/06/21 07:08*	*06/06/21 21:50*	*1*
2-Fluorophenol (Surr)	*47*		*18 - 72*	*06/06/21 07:08*	*06/06/21 21:50*	*1*

Client Sample ID: WCR-13 (0-8)
Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1
Matrix: Solid
Percent Solids: 93.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*76*		*46 - 137*	*06/06/21 07:08*	*06/06/21 21:50*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/06/21 07:08*	*06/06/21 21:50*	*1*
Terphenyl-d14 (Surr)	*110*		*39 - 150*	*06/06/21 07:08*	*06/06/21 21:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
4,4'-DDE	0.0072	U	0.0072	0.00084	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Heptachlor	0.0072	U	0.0072	0.00084	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	06/02/21 17:47	06/03/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*91*		*10 - 150*	*06/02/21 17:47*	*06/03/21 12:23*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/02/21 17:47*	*06/03/21 12:23*	*1*
Tetrachloro-m-xylene	*92*		*10 - 133*	*06/02/21 17:47*	*06/03/21 12:23*	*1*
Tetrachloro-m-xylene	*89*		*10 - 133*	*06/02/21 17:47*	*06/03/21 12:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:12	06/07/21 10:18	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:18	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:12	06/07/21 10:18	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:12	06/07/21 10:18	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:12	06/07/21 10:18	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:18	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:12	06/07/21 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:18*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:18*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:18*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:18*	*1*

Client Sample ID: WCR-13 (0-8)
Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1
Matrix: Solid
Percent Solids: 93.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0095	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1221	0.072	U	0.072	0.0095	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1232	0.072	U	0.072	0.0095	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1242	0.072	U	0.072	0.0095	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1248	0.072	U	0.072	0.0095	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1254	0.072	U	0.072	0.0098	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1260	0.072	U	0.072	0.0098	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor-1262	0.072	U	0.072	0.0098	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Aroclor 1268	0.072	U	0.072	0.0098	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.0098	mg/Kg	☼	06/02/21 17:43	06/03/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*37 - 150*	*06/02/21 17:43*	*06/03/21 14:26*	*1*
DCB Decachlorobiphenyl	*104*		*37 - 150*	*06/02/21 17:43*	*06/03/21 14:26*	*1*
Tetrachloro-m-xylene	*97*		*54 - 150*	*06/02/21 17:43*	*06/03/21 14:26*	*1*
Tetrachloro-m-xylene	*107*		*54 - 150*	*06/02/21 17:43*	*06/03/21 14:26*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	06/04/21 23:52	06/08/21 10:41	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/04/21 23:52	06/08/21 10:41	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	06/04/21 23:52	06/08/21 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*06/04/21 23:52*	*06/08/21 10:41*	*1*
2,4-Dichlorophenylacetic acid	*85*		*65 - 150*	*06/04/21 23:52*	*06/08/21 10:41*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:47	06/07/21 14:03	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:47	06/07/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:03*	*1*
2,4-Dichlorophenylacetic acid	*92*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:03*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.1	U	2.1	2.1	mg/Kg	☼	06/03/21 10:00	06/04/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*40 - 140*	*06/03/21 10:00*	*06/04/21 11:36*	*1*
1-Chlorooctadecane	*84*		*40 - 140*	*06/03/21 10:00*	*06/04/21 11:36*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.018**	**J**	0.075	0.017	mg/L		06/05/21 17:15	06/06/21 19:09	5
Barium	**0.35**	**J**	1.0	0.066	mg/L		06/05/21 17:15	06/06/21 19:09	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/05/21 17:15	06/06/21 19:09	5
Chromium	0.050	U	0.050	0.025	mg/L		06/05/21 17:15	06/07/21 16:02	5
Lead	**0.030**	**J**	0.050	0.012	mg/L		06/05/21 17:15	06/06/21 19:09	5

Client Sample ID: WCR-13 (0-8)
Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1
Matrix: Solid
Percent Solids: 93.5

Method: 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/05/21 17:15	06/06/21 19:09	5
Silver	0.050	U	0.050	0.029	mg/L		06/05/21 17:15	06/06/21 19:09	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7950**		21.4	2.8	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Arsenic	**2.8**		1.1	0.11	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Barium	**51.8**		2.1	0.16	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Beryllium	**0.43**		0.43	0.061	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Cadmium	**0.12**	**J**	1.1	0.12	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Calcium	**1170**		107	18.2	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Chromium	**19.6**		2.1	0.19	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Cobalt	**7.2**		2.1	0.16	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Copper	**23.1**		2.1	0.24	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Iron	**19900**		64.2	21.6	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Lead	**13.8**		0.64	0.21	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Magnesium	**2610**		107	10.9	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Manganese	**381**		4.3	0.43	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Nickel	**14.1**		2.1	0.21	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Potassium	**1210**		107	12.0	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Selenium	**0.14**	**J**	1.3	0.13	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Silver	1.1	U	1.1	0.095	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Sodium	**466**		107	16.7	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Thallium	**0.13**	**J**	0.43	0.044	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Vanadium	**28.8**		2.1	0.22	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1
Zinc	**39.9**		8.6	2.4	mg/Kg	☼	06/07/21 02:50	06/07/21 20:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 14:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.017	0.0041	mg/Kg	☼	06/04/21 04:50	06/04/21 09:43	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**	**HF**			SU			06/10/21 11:27	1
Corrosivity	**9.4**	**HF**			SU			06/10/21 11:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.66**		0.44	0.15	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	06/06/21 10:21	06/07/21 15:46	1
Oil & Grease	**393**	**J**	637	212	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**19.0**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1

Client Sample ID: WCR-13 (0-8)
Lab Sample ID: 460-235626-1
Date Collected: 06/01/21 11:10
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 93.5

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.5		1.0	1.0	%			06/03/21 13:19	1
Percent Solids	93.5		1.0	1.0	%			06/03/21 13:19	1
Total Solids	92.6		0.10	0.10	%			06/03/21 13:23	1
Total Volatile Solids	1.5		0.10	0.10	%			06/03/21 13:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.5	H			S.U.			06/04/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.0				S.U.			06/05/21 13:00	1
Temperature	24.5				Degrees C			06/05/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.8	J	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	195		10.0	10.0	mg/L			06/04/21 14:58	1

Client Sample ID: WCR-13C (6-8)
Lab Sample ID: 460-235626-2
Date Collected: 06/01/21 11:00
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 95.4

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
2-Butanone (MEK)	0.0058	U	0.0058	0.00042	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
2-Hexanone	0.0058	U	0.0058	0.0020	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
4-Methyl-2-pentanone (MIBK)	0.0058	U	0.0058	0.0018	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Acetone	0.0069	U	0.0069	0.0066	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Bromoform	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1

Client Sample ID: WCR-13C (6-8)
Date Collected: 06/01/21 11:00
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-2
Matrix: Solid
Percent Solids: 95.4

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chlorobenzene	0.0012	U	0.0012	0.00020	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chlorodibromomethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chloroethane	0.0012	U	0.0012	0.00060	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Chloromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00039	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00059	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
o-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Styrene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Tetrachloroethene	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Trichloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1
Vinyl chloride	0.0012	U	0.0012	0.00063	mg/Kg	☼	06/02/21 16:24	06/05/21 14:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 16:24*	*06/05/21 14:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*06/02/21 16:24*	*06/05/21 14:22*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*06/02/21 16:24*	*06/05/21 14:22*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*06/02/21 16:24*	*06/05/21 14:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/02/21 16:24*	*06/05/21 14:22*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/07/21 12:40	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/07/21 12:40	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/07/21 12:40	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/07/21 12:40	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/07/21 12:40	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/07/21 12:40	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/07/21 12:40	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/07/21 12:40	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/07/21 12:40	10

Client Sample ID: WCR-13C (6-8)
Lab Sample ID: 460-235626-2
Date Collected: 06/01/21 11:00
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 95.4

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/07/21 12:40	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/07/21 12:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 123*		*06/07/21 12:40*	*10*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/07/21 12:40*	*10*
Dibromofluoromethane (Surr)	*117*		*77 - 124*		*06/07/21 12:40*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/21 12:40*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		1.0	1.0	%			06/03/21 13:19	1
Percent Solids	**95.4**		1.0	1.0	%			06/03/21 13:19	1

Client Sample ID: WCR-14C (1-3)
Lab Sample ID: 460-235626-3
Date Collected: 06/01/21 11:15
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 94.4

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00038	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00057	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
2-Hexanone	0.0062	U	0.0062	0.0021	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
4-Methyl-2-pentanone (MIBK)	0.0062	U	0.0062	0.0019	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Acetone	0.0075	U	0.0075	0.0071	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Bromoform	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Bromomethane	0.0025	U	0.0025	0.0012	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chlorobromomethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chloroethane	0.0012	U	0.0012	0.00065	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Chloromethane	0.0012	U	0.0012	0.00054	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1

Client Sample ID: WCR-14C (1-3)
Lab Sample ID: 460-235626-3

Date Collected: 06/01/21 11:15
Matrix: Solid

Date Received: 06/01/21 18:30
Percent Solids: 94.4

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Cyclohexane	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Ethylbenzene	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Isopropylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Methyl acetate	0.0062	U	0.0062	0.0054	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00064	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Methylcyclohexane	0.0012	U	0.0012	0.00062	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Styrene	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Trichloroethene	**0.00098**	**J**	0.0012	0.00040	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1
Vinyl chloride	0.0012	U	0.0012	0.00068	mg/Kg	☼	06/02/21 16:25	06/05/21 14:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 16:25*	*06/05/21 14:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*	*06/02/21 16:25*	*06/05/21 14:46*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*06/02/21 16:25*	*06/05/21 14:46*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*06/02/21 16:25*	*06/05/21 14:46*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*06/02/21 16:25*	*06/05/21 14:46*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/07/21 13:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/07/21 13:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/07/21 13:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/07/21 13:06	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/07/21 13:06	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/07/21 13:06	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/07/21 13:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/07/21 13:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/07/21 13:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/07/21 13:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/07/21 13:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/07/21 13:06*	*10*
4-Bromofluorobenzene	*110*		*76 - 120*		*06/07/21 13:06*	*10*
Dibromofluoromethane (Surr)	*116*		*77 - 124*		*06/07/21 13:06*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/07/21 13:06*	*10*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-14C (1-3)

Lab Sample ID: 460-235626-3
Date Collected: 06/01/21 11:15
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 94.4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.6		1.0	1.0	%			06/03/21 13:19	1
Percent Solids	94.4		1.0	1.0	%			06/03/21 13:19	1

Client Sample ID: WCR-14 (0-8)

Lab Sample ID: 460-235626-4
Date Collected: 06/01/21 11:20
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 92.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Acenaphthene	0.011	J	0.36	0.010	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Acenaphthylene	0.36	U	0.36	0.0036	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Anthracene	0.028	J	0.36	0.011	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzo[a]anthracene	0.051	*	0.036	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzo[a]pyrene	0.052		0.036	0.0096	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzo[b]fluoranthene	0.059		0.036	0.0093	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzo[g,h,i]perylene	0.030	J	0.36	0.011	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Benzo[k]fluoranthene	0.022	J	0.036	0.0070	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1

Client Sample ID: WCR-14 (0-8)
Date Collected: 06/01/21 11:20
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-4
Matrix: Solid
Percent Solids: 92.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Chrysene	**0.045**	**J ***	0.36	0.0061	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Dibenzofuran	**0.013**	**J**	0.36	0.0050	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Fluoranthene	**0.096**	**J**	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Fluorene	**0.011**	**J**	0.36	0.0049	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Hexachlorobutadiene	0.073	U	0.073	0.0076	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Indeno[1,2,3-cd]pyrene	**0.038**		0.036	0.014	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Naphthalene	**0.021**	**J**	0.36	0.0062	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Phenanthrene	**0.11**	**J**	0.36	0.0063	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1
Pyrene	**0.086**	**J**	0.36	0.0089	mg/Kg	☼	06/02/21 18:04	06/03/21 08:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 18:04*	*06/03/21 08:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 123*	*06/02/21 18:04*	*06/03/21 08:49*	*1*
2-Fluorobiphenyl	*72*		*14 - 103*	*06/02/21 18:04*	*06/03/21 08:49*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 105*	*06/02/21 18:04*	*06/03/21 08:49*	*1*
Nitrobenzene-d5 (Surr)	*72*		*11 - 104*	*06/02/21 18:04*	*06/03/21 08:49*	*1*
Phenol-d5 (Surr)	*72*		*15 - 100*	*06/02/21 18:04*	*06/03/21 08:49*	*1*
Terphenyl-d14 (Surr)	*83*		*12 - 126*	*06/02/21 18:04*	*06/03/21 08:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/06/21 07:08	06/06/21 22:11	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/06/21 07:08	06/06/21 22:11	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/06/21 07:08	06/06/21 22:11	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/06/21 07:08	06/06/21 22:11	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/06/21 07:08	06/06/21 22:11	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/06/21 07:08	06/06/21 22:11	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/06/21 07:08	06/06/21 22:11	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/06/21 07:08	06/06/21 22:11	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/06/21 07:08	06/06/21 22:11	1

Client Sample ID: WCR-14 (0-8)
Date Collected: 06/01/21 11:20
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-4
Matrix: Solid
Percent Solids: 92.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/06/21 07:08	06/06/21 22:11	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/06/21 07:08	06/06/21 22:11	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/06/21 07:08	06/06/21 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 150*	*06/06/21 07:08*	*06/06/21 22:11*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*06/06/21 07:08*	*06/06/21 22:11*	*1*
2-Fluorophenol (Surr)	*48*		*18 - 72*	*06/06/21 07:08*	*06/06/21 22:11*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 137*	*06/06/21 07:08*	*06/06/21 22:11*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/06/21 07:08*	*06/06/21 22:11*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 150*	*06/06/21 07:08*	*06/06/21 22:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	06/02/21 17:47	06/03/21 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*06/02/21 17:47*	*06/03/21 12:35*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*06/02/21 17:47*	*06/03/21 12:35*	*1*
Tetrachloro-m-xylene	*87*		*10 - 133*	*06/02/21 17:47*	*06/03/21 12:35*	*1*
Tetrachloro-m-xylene	*83*		*10 - 133*	*06/02/21 17:47*	*06/03/21 12:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:12	06/07/21 10:34	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:34	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:12	06/07/21 10:34	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:12	06/07/21 10:34	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:12	06/07/21 10:34	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:34	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:12	06/07/21 10:34	1

Client Sample ID: WCR-14 (0-8)
Date Collected: 06/01/21 11:20
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-4
Matrix: Solid
Percent Solids: 92.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:34*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:34*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:34*	*1*
Tetrachloro-m-xylene	*72*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0097	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1221	0.073	U	0.073	0.0097	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1232	0.073	U	0.073	0.0097	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1242	0.073	U	0.073	0.0097	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1248	0.073	U	0.073	0.0097	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1260	0.073	U	0.073	0.010	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor-1262	0.073	U	0.073	0.010	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Aroclor 1268	0.073	U	0.073	0.010	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.010	mg/Kg	☼	06/02/21 17:43	06/03/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*06/02/21 17:43*	*06/03/21 14:09*	*1*
DCB Decachlorobiphenyl	*93*		*37 - 150*	*06/02/21 17:43*	*06/03/21 14:09*	*1*
Tetrachloro-m-xylene	*81*		*54 - 150*	*06/02/21 17:43*	*06/03/21 14:09*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*06/02/21 17:43*	*06/03/21 14:09*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/04/21 23:52	06/08/21 10:56	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/04/21 23:52	06/08/21 10:56	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/04/21 23:52	06/08/21 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*06/04/21 23:52*	*06/08/21 10:56*	*1*
2,4-Dichlorophenylacetic acid	*92*		*65 - 150*	*06/04/21 23:52*	*06/08/21 10:56*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:47	06/07/21 14:17	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:47	06/07/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:17*	*1*
2,4-Dichlorophenylacetic acid	*111*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:17*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**61**		2.2	2.2	mg/Kg	☼	06/03/21 10:00	06/04/21 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*40 - 140*	*06/03/21 10:00*	*06/04/21 11:50*	*1*
1-Chlorooctadecane	*94*		*40 - 140*	*06/03/21 10:00*	*06/04/21 11:50*	*1*

Client Sample ID: WCR-14 (0-8)
Date Collected: 06/01/21 11:20
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-4
Matrix: Solid
Percent Solids: 92.1

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**	**J**	0.075	0.017	mg/L		06/05/21 17:15	06/06/21 19:21	5
Barium	**0.46**	**J**	1.0	0.066	mg/L		06/05/21 17:15	06/06/21 19:21	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/05/21 17:15	06/06/21 19:21	5
Chromium	0.050	U	0.050	0.025	mg/L		06/05/21 17:15	06/07/21 15:58	5
Lead	**0.020**	**J**	0.050	0.012	mg/L		06/05/21 17:15	06/06/21 19:21	5
Selenium	0.10	U	0.10	0.029	mg/L		06/05/21 17:15	06/06/21 19:21	5
Silver	0.050	U	0.050	0.029	mg/L		06/05/21 17:15	06/06/21 19:21	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5590**		20.3	2.6	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Arsenic	**1.7**		1.0	0.10	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Barium	**39.0**		2.0	0.15	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Beryllium	**0.31**	**J**	0.41	0.058	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Cadmium	1.0	U	1.0	0.11	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Calcium	**3160**		101	17.2	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Chromium	**13.4**		2.0	0.18	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Cobalt	**5.5**		2.0	0.15	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Copper	**21.0**		2.0	0.22	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Iron	**11700**		60.9	20.5	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Lead	**19.7**		0.61	0.20	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Magnesium	**2850**		101	10.3	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Manganese	**260**		4.1	0.41	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Nickel	**11.5**		2.0	0.20	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Potassium	**940**		101	11.4	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Silver	1.0	U	1.0	0.090	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Sodium	**408**		101	15.8	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Thallium	**0.063**	**J**	0.41	0.042	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Vanadium	**17.4**		2.0	0.21	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1
Zinc	**34.9**		8.1	2.3	mg/Kg	☼	06/07/21 02:50	06/07/21 20:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 15:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.017	0.0041	mg/Kg	☼	06/04/21 04:50	06/04/21 09:55	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**	**HF**			SU			06/10/21 11:28	1
Corrosivity	**9.5**	**HF**			SU			06/10/21 11:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.19**	**J**	0.46	0.15	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.22	U	0.22	0.12	mg/Kg	☼	06/06/21 10:21	06/07/21 15:47	1
Oil & Grease	**324**	**J**	648	216	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Client Sample ID: WCR-14 (0-8)
Lab Sample ID: 460-235626-4

Date Collected: 06/01/21 11:20
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 92.1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**13.2**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**7.9**		1.0	1.0	%			06/03/21 13:19	1
Percent Solids	**92.1**		1.0	1.0	%			06/03/21 13:19	1
Total Solids	**92.5**		0.10	0.10	%			06/03/21 13:23	1
Total Volatile Solids	**1.2**		0.10	0.10	%			06/03/21 13:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.8**	**H**			S.U.			06/04/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/05/21 13:00	1
Temperature	**24.5**				Degrees C			06/05/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**3.0**	**J**	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**145**		10.0	10.0	mg/L			06/04/21 14:58	1

Client Sample ID: WCR-15B (6-8)
Lab Sample ID: 460-235697-1

Date Collected: 06/02/21 09:35
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 91.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2,4-Trichlorobenzene	0.0013	U *	0.0013	0.00045	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
2-Hexanone	0.0063	U	0.0063	0.0022	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-15B (6-8)
Date Collected: 06/02/21 09:35
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-1
Matrix: Solid
Percent Solids: 91.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Bromoform	0.0013	U	0.0013	0.00054	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chlorodibromomethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	06/02/21 23:40	06/05/21 01:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 23:40*	*06/05/21 01:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*06/02/21 23:40*	*06/05/21 01:29*	*1*
4-Bromofluorobenzene	*97*		*70 - 139*	*06/02/21 23:40*	*06/05/21 01:29*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*	*06/02/21 23:40*	*06/05/21 01:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*06/02/21 23:40*	*06/05/21 01:29*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/07/21 13:32	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/07/21 13:32	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/07/21 13:32	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/07/21 13:32	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/07/21 13:32	10

Client Sample ID: WCR-15B (6-8)
Lab Sample ID: 460-235697-1

Date Collected: 06/02/21 09:35
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 91.0

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/07/21 13:32	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/07/21 13:32	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/07/21 13:32	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/07/21 13:32	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/07/21 13:32	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/07/21 13:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 123*		*06/07/21 13:32*	*10*
4-Bromofluorobenzene	*99*		*76 - 120*		*06/07/21 13:32*	*10*
Dibromofluoromethane (Surr)	*119*		*77 - 124*		*06/07/21 13:32*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/07/21 13:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		1.0	1.0	%			06/04/21 15:12	1
Percent Solids	**91.0**		1.0	1.0	%			06/04/21 15:12	1

Client Sample ID: WCR-15 (0-8)
Lab Sample ID: 460-235697-2

Date Collected: 06/02/21 09:30
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0047	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2,6-Dinitrotoluene	0.072	U *	0.072	0.026	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
2-Nitrophenol	0.36	U *	0.36	0.036	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
3,3'-Dichlorobenzidine	0.14	U *	0.14	0.054	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
3-Nitroaniline	0.36	U *	0.36	0.040	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4,6-Dinitro-2-methylphenol	0.29	U *	0.29	0.15	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-15 (0-8)
Date Collected: 06/02/21 09:30
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-2
Matrix: Solid
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Acenaphthylene	0.36	U	0.36	0.0036	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Anthracene	**0.034**	**J**	0.36	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzo[a]anthracene	**0.070**		0.036	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzo[a]pyrene	**0.069**		0.036	0.0095	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzo[b]fluoranthene	**0.085**		0.036	0.0092	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzo[g,h,i]perylene	**0.040**	**J**	0.36	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Benzo[k]fluoranthene	**0.036**		0.036	0.0070	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Chrysene	**0.081**	**J**	0.36	0.0060	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Dibenzofuran	0.36	U	0.36	0.0050	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Fluoranthene	**0.13**	**J**	0.36	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Fluorene	0.36	U	0.36	0.0048	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Indeno[1,2,3-cd]pyrene	**0.041**		0.036	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Phenanthrene	**0.11**	**J**	0.36	0.0063	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1
Pyrene	**0.13**	**J**	0.36	0.0089	mg/Kg	☼	06/04/21 10:16	06/05/21 01:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/04/21 10:16*	*06/05/21 01:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 123*	*06/04/21 10:16*	*06/05/21 01:46*	*1*
2-Fluorobiphenyl	*75*		*14 - 103*	*06/04/21 10:16*	*06/05/21 01:46*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 105*	*06/04/21 10:16*	*06/05/21 01:46*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-15 (0-8)
Date Collected: 06/02/21 09:30
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-2
Matrix: Solid
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*70*		*11 - 104*	*06/04/21 10:16*	*06/05/21 01:46*	*1*
Phenol-d5 (Surr)	*63*		*15 - 100*	*06/04/21 10:16*	*06/05/21 01:46*	*1*
Terphenyl-d14 (Surr)	*94*		*12 - 126*	*06/04/21 10:16*	*06/05/21 01:46*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/07/21 09:48	06/08/21 04:17	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:48	06/08/21 04:17	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:48	06/08/21 04:17	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:48	06/08/21 04:17	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:48	06/08/21 04:17	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:48	06/08/21 04:17	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:48	06/08/21 04:17	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:48	06/08/21 04:17	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:48	06/08/21 04:17	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:48	06/08/21 04:17	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:48	06/08/21 04:17	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:48	06/08/21 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*68*		*33 - 150*	*06/07/21 09:48*	*06/08/21 04:17*	*1*
2-Fluorobiphenyl	*65*		*42 - 127*	*06/07/21 09:48*	*06/08/21 04:17*	*1*
2-Fluorophenol (Surr)	*47*		*18 - 72*	*06/07/21 09:48*	*06/08/21 04:17*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 137*	*06/07/21 09:48*	*06/08/21 04:17*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/07/21 09:48*	*06/08/21 04:17*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 150*	*06/07/21 09:48*	*06/08/21 04:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	06/03/21 17:56	06/04/21 08:15	1

Client Sample ID: WCR-15 (0-8)
Date Collected: 06/02/21 09:30
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-2
Matrix: Solid
Percent Solids: 92.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	115		10 - 150	06/03/21 17:56	06/04/21 08:15	1
DCB Decachlorobiphenyl	111		10 - 150	06/03/21 17:56	06/04/21 08:15	1
Tetrachloro-m-xylene	106		10 - 133	06/03/21 17:56	06/04/21 08:15	1
Tetrachloro-m-xylene	101		10 - 133	06/03/21 17:56	06/04/21 08:15	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 07:30	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 07:30	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 07:30	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 07:30	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 07:30	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 07:30	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		10 - 150	06/07/21 09:58	06/08/21 07:30	1
DCB Decachlorobiphenyl	67		10 - 150	06/07/21 09:58	06/08/21 07:30	1
Tetrachloro-m-xylene	61		10 - 150	06/07/21 09:58	06/08/21 07:30	1
Tetrachloro-m-xylene	62		10 - 150	06/07/21 09:58	06/08/21 07:30	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1260	0.072	U	0.072	0.0099	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.0099	mg/Kg	☼	06/03/21 17:51	06/04/21 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		37 - 150	06/03/21 17:51	06/04/21 13:59	1
DCB Decachlorobiphenyl	93		37 - 150	06/03/21 17:51	06/04/21 13:59	1
Tetrachloro-m-xylene	103		54 - 150	06/03/21 17:51	06/04/21 13:59	1
Tetrachloro-m-xylene	100		54 - 150	06/03/21 17:51	06/04/21 13:59	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	06/04/21 23:52	06/08/21 12:09	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/04/21 23:52	06/08/21 12:09	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	06/04/21 23:52	06/08/21 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		65 - 150	06/04/21 23:52	06/08/21 12:09	1
2,4-Dichlorophenylacetic acid	87		65 - 150	06/04/21 23:52	06/08/21 12:09	1

Client Sample ID: WCR-15 (0-8)
Date Collected: 06/02/21 09:30
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-2
Matrix: Solid
Percent Solids: 92.8

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/07/21 23:52	06/08/21 12:03	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/07/21 23:52	06/08/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:03*	*1*
2,4-Dichlorophenylacetic acid	*89*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:03*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**76**		2.2	2.2	mg/Kg	☼	06/03/21 10:00	06/04/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*40 - 140*	*06/03/21 10:00*	*06/04/21 12:03*	*1*
1-Chlorooctadecane	*115*		*40 - 140*	*06/03/21 10:00*	*06/04/21 12:03*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 14:11	5
Barium	**0.33**	**J**	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 14:11	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 14:11	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 14:11	5
Lead	0.050	U	0.050	0.012	mg/L		06/09/21 06:57	06/10/21 14:11	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 14:11	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 14:11	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6180**		20.2	2.6	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Arsenic	**1.6**		1.0	0.10	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Barium	**43.2**		2.0	0.15	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Beryllium	**0.33**	**J**	0.40	0.057	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Cadmium	1.0	U	1.0	0.11	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Calcium	**1360**		101	17.1	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Chromium	**12.9**		2.0	0.18	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Cobalt	**5.0**		2.0	0.15	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Copper	**17.2**		2.0	0.22	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Iron	**11300**		60.5	20.4	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Lead	**12.7**		0.60	0.20	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Magnesium	**2220**		101	10.3	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Manganese	**292**		4.0	0.41	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Nickel	**11.3**		2.0	0.20	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Potassium	**872**	**B**	101	11.3	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Silver	1.0	U	1.0	0.090	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Sodium	**527**		101	15.7	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Thallium	**0.070**	**J**	0.40	0.041	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Vanadium	**16.7**		2.0	0.21	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1
Zinc	**25.0**		8.1	2.3	mg/Kg	☼	06/07/21 02:54	06/07/21 23:10	1

Client Sample ID: WCR-15 (0-8)
Lab Sample ID: 460-235697-2
Date Collected: 06/02/21 09:30
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 92.8

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 15:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.017	0.0040	mg/Kg	☼	06/07/21 03:46	06/07/21 09:01	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**	**HF**			SU			06/10/21 11:32	1
Corrosivity	**9.3**	**HF**			SU			06/10/21 11:32	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	06/09/21 19:03	06/10/21 14:06	1
Oil & Grease	**412**	**J**	641	214	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**12.9**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**7.2**		1.0	1.0	%			06/04/21 15:12	1
Percent Solids	**92.8**		1.0	1.0	%			06/04/21 15:12	1
Total Solids	**94.3**		0.10	0.10	%			06/03/21 13:23	1
Total Volatile Solids	**1.3**		0.10	0.10	%			06/03/21 13:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**	**H**			S.U.			06/05/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/07/21 13:00	1
Temperature	**24.5**				Degrees C			06/07/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.3**	**J**	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 16:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**159**		10.0	10.0	mg/L			06/04/21 14:58	1

Client Sample ID: WC-24 (0-5)
Lab Sample ID: 460-235697-3
Date Collected: 06/02/21 12:00
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 85.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0051	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1

Client Sample ID: WC-24 (0-5)
Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3
Matrix: Solid
Percent Solids: 85.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0070	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.039	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,4-Dinitrotoluene	0.078	U	0.078	0.042	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2,6-Dinitrotoluene	0.078	U *	0.078	0.028	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Methylnaphthalene	**0.059**	**J**	0.39	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Nitroaniline	0.39	U	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
2-Nitrophenol	0.39	U *	0.39	0.039	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
3,3'-Dichlorobenzidine	0.16	U *	0.16	0.058	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
3-Nitroaniline	0.39	U *	0.39	0.044	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4,6-Dinitro-2-methylphenol	0.31	U *	0.31	0.16	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Acenaphthylene	**0.062**	**J**	0.39	0.0039	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Anthracene	**0.081**	**J**	0.39	0.012	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzo[a]anthracene	**0.16**		0.039	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzo[a]pyrene	**0.18**		0.039	0.010	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzo[b]fluoranthene	**0.30**		0.039	0.010	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzo[g,h,i]perylene	**0.15**	**J**	0.39	0.011	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Benzo[k]fluoranthene	**0.097**		0.039	0.0076	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Bis(2-ethylhexyl) phthalate	**0.039**	**J**	0.39	0.020	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Carbazole	**0.022**	**J**	0.39	0.015	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Chrysene	**0.17**	**J**	0.39	0.0065	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Dibenz(a,h)anthracene	**0.040**		0.039	0.017	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Dibenzofuran	**0.034**	**J**	0.39	0.0054	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Diethyl phthalate	0.39	U	0.39	0.0056	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1

Client Sample ID: WC-24 (0-5)
Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3
Matrix: Solid
Percent Solids: 85.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Fluoranthene	**0.24**	**J**	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Fluorene	**0.010**	**J**	0.39	0.0053	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Indeno[1,2,3-cd]pyrene	**0.16**		0.039	0.015	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Naphthalene	**0.075**	**J**	0.39	0.0067	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Nitrobenzene	0.039	U	0.039	0.0093	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Phenanthrene	**0.16**	**J**	0.39	0.0068	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1
Pyrene	**0.22**	**J**	0.39	0.0096	mg/Kg	☼	06/04/21 10:16	06/05/21 05:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.48*	*J*	*mg/Kg*	☼	*9.30*		*06/04/21 10:16*	*06/05/21 05:30*	*1*
Unknown	*0.51*	*J*	*mg/Kg*	☼	*9.73*		*06/04/21 10:16*	*06/05/21 05:30*	*1*
Unknown	*1.1*	*J*	*mg/Kg*	☼	*12.19*		*06/04/21 10:16*	*06/05/21 05:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*10 - 123*	*06/04/21 10:16*	*06/05/21 05:30*	*1*
2-Fluorobiphenyl	*68*		*14 - 103*	*06/04/21 10:16*	*06/05/21 05:30*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 105*	*06/04/21 10:16*	*06/05/21 05:30*	*1*
Nitrobenzene-d5 (Surr)	*64*		*11 - 104*	*06/04/21 10:16*	*06/05/21 05:30*	*1*
Phenol-d5 (Surr)	*61*		*15 - 100*	*06/04/21 10:16*	*06/05/21 05:30*	*1*
Terphenyl-d14 (Surr)	*92*		*12 - 126*	*06/04/21 10:16*	*06/05/21 05:30*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/06/21 07:08	06/06/21 22:33	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/06/21 07:08	06/06/21 22:33	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/06/21 07:08	06/06/21 22:33	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/06/21 07:08	06/06/21 22:33	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/06/21 07:08	06/06/21 22:33	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/06/21 07:08	06/06/21 22:33	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/06/21 07:08	06/06/21 22:33	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/06/21 07:08	06/06/21 22:33	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/06/21 07:08	06/06/21 22:33	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/06/21 07:08	06/06/21 22:33	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/06/21 07:08	06/06/21 22:33	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/06/21 07:08	06/06/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*33 - 150*	*06/06/21 07:08*	*06/06/21 22:33*	*1*
2-Fluorobiphenyl	*70*		*42 - 127*	*06/06/21 07:08*	*06/06/21 22:33*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*06/06/21 07:08*	*06/06/21 22:33*	*1*

Client Sample ID: WC-24 (0-5)
Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3
Matrix: Solid
Percent Solids: 85.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*74*		*46 - 137*	*06/06/21 07:08*	*06/06/21 22:33*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/06/21 07:08*	*06/06/21 22:33*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 150*	*06/06/21 07:08*	*06/06/21 22:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.039	U	0.039	0.0067	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
4,4'-DDE	**0.26**		0.039	0.0046	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
4,4'-DDT	**0.33**	**p**	0.039	0.0072	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Aldrin	0.039	U	0.039	0.0059	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
alpha-BHC	0.012	U	0.012	0.0040	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
beta-BHC	0.012	U	0.012	0.0044	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Chlordane (technical)	0.39	U	0.39	0.095	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
delta-BHC	0.012	U	0.012	0.0024	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Dieldrin	0.012	U	0.012	0.0051	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endosulfan I	0.039	U	0.039	0.0060	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endosulfan II	0.039	U	0.039	0.010	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endosulfan sulfate	0.039	U	0.039	0.0049	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endrin	0.039	U	0.039	0.0056	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endrin aldehyde	0.039	U	0.039	0.0092	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Endrin ketone	0.039	U	0.039	0.0076	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
gamma-BHC (Lindane)	0.012	U	0.012	0.0036	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Heptachlor	0.039	U	0.039	0.0046	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Heptachlor epoxide	0.039	U	0.039	0.0059	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Methoxychlor	0.039	U	0.039	0.0090	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5
Toxaphene	0.39	U	0.39	0.14	mg/Kg	☼	06/03/21 17:56	06/04/21 09:06	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*168*	*	*10 - 150*	*06/03/21 17:56*	*06/04/21 09:06*	*5*
DCB Decachlorobiphenyl	*117*		*10 - 150*	*06/03/21 17:56*	*06/04/21 09:06*	*5*
Tetrachloro-m-xylene	*115*		*10 - 133*	*06/03/21 17:56*	*06/04/21 09:06*	*5*
Tetrachloro-m-xylene	*99*		*10 - 133*	*06/03/21 17:56*	*06/04/21 09:06*	*5*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:12	06/07/21 10:50	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:50	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:12	06/07/21 10:50	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:12	06/07/21 10:50	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:12	06/07/21 10:50	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:12	06/07/21 10:50	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:12	06/07/21 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:50*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:50*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:50*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/05/21 13:12*	*06/07/21 10:50*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-24 (0-5)
Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3
Matrix: Solid
Percent Solids: 85.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.16	U	0.16	0.021	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1221	0.16	U	0.16	0.021	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1232	0.16	U	0.16	0.021	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1242	0.16	U	0.16	0.021	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1248	0.16	U	0.16	0.021	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1254	0.16	U	0.16	0.022	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1260	**2.4**		0.16	0.022	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor-1262	0.16	U	0.16	0.022	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Aroclor 1268	0.16	U	0.16	0.022	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2
Polychlorinated biphenyls, Total	**2.4**		0.16	0.022	mg/Kg	☼	06/03/21 17:51	06/04/21 15:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*37 - 150*	*06/03/21 17:51*	*06/04/21 15:07*	*2*
DCB Decachlorobiphenyl	*110*		*37 - 150*	*06/03/21 17:51*	*06/04/21 15:07*	*2*
Tetrachloro-m-xylene	*89*		*54 - 150*	*06/03/21 17:51*	*06/04/21 15:07*	*2*
Tetrachloro-m-xylene	*92*		*54 - 150*	*06/03/21 17:51*	*06/04/21 15:07*	*2*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0083	mg/Kg	☼	06/04/21 23:52	06/08/21 12:24	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	06/04/21 23:52	06/08/21 12:24	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	06/04/21 23:52	06/08/21 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*65 - 150*	*06/04/21 23:52*	*06/08/21 12:24*	*1*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*06/04/21 23:52*	*06/08/21 12:24*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:47	06/07/21 14:30	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:47	06/07/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:30*	*1*
2,4-Dichlorophenylacetic acid	*105*		*28 - 150*	*06/06/21 14:47*	*06/07/21 14:30*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**84**		2.3	2.3	mg/Kg	☼	06/03/21 10:00	06/04/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*40 - 140*	*06/03/21 10:00*	*06/04/21 12:17*	*1*
1-Chlorooctadecane	*86*		*40 - 140*	*06/03/21 10:00*	*06/04/21 12:17*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/05/21 17:15	06/06/21 19:05	5
Barium	**0.43**	**J**	1.0	0.066	mg/L		06/05/21 17:15	06/06/21 19:05	5
Cadmium	**0.0038**	**J**	0.020	0.0016	mg/L		06/05/21 17:15	06/06/21 19:05	5
Chromium	0.050	U	0.050	0.025	mg/L		06/05/21 17:15	06/07/21 16:06	5
Lead	**0.025**	**J**	0.050	0.012	mg/L		06/05/21 17:15	06/06/21 19:05	5

Client Sample ID: WC-24 (0-5)
Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3
Matrix: Solid
Percent Solids: 85.4

Method: 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/05/21 17:15	06/06/21 19:05	5
Silver	0.050	U	0.050	0.029	mg/L		06/05/21 17:15	06/06/21 19:05	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8540**		22.1	2.9	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Antimony	**0.58**	**J**	1.1	0.16	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Arsenic	**5.2**		1.1	0.11	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Barium	**72.9**		2.2	0.16	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Beryllium	**0.46**		0.44	0.063	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Cadmium	**0.44**	**J**	1.1	0.12	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Calcium	**3830**		110	18.8	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Chromium	**23.7**		2.2	0.19	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Cobalt	**7.7**		2.2	0.16	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Copper	**77.0**		2.2	0.24	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Iron	**22200**		66.3	22.3	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Lead	**95.2**		0.66	0.22	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Magnesium	**2790**		110	11.3	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Manganese	**488**		4.4	0.45	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Nickel	**19.3**		2.2	0.21	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Potassium	**1070**	**B**	110	12.4	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Selenium	**0.44**	**J**	1.4	0.13	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Silver	1.1	U	1.1	0.098	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Sodium	**442**		110	17.2	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Thallium	**0.19**	**J**	0.44	0.045	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Vanadium	**33.1**		2.2	0.23	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1
Zinc	**102**		8.8	2.5	mg/Kg	☼	06/07/21 02:54	06/07/21 23:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 15:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.019	0.0045	mg/Kg	☼	06/07/21 03:46	06/07/21 09:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.9**	**HF**			SU			06/10/21 11:34	1
Corrosivity	**9.9**	**HF**			SU			06/10/21 11:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.95**		0.51	0.17	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	**0.29**		0.25	0.14	mg/Kg	☼	06/09/21 19:03	06/10/21 14:07	1
Oil & Grease	**336**	**J**	696	232	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**22.8**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1

Client Sample ID: WC-24 (0-5)
Lab Sample ID: 460-235697-3
Date Collected: 06/02/21 12:00
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 85.4

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.6		1.0	1.0	%			06/04/21 15:12	1
Percent Solids	85.4		1.0	1.0	%			06/04/21 15:12	1
Total Solids	91.3		0.10	0.10	%			06/03/21 13:23	1
Total Volatile Solids	3.6		0.10	0.10	%			06/03/21 13:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.2	H			S.U.			06/04/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			06/05/21 13:00	1
Temperature	24.5				Degrees C			06/05/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	2.1	J	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	210		10.0	10.0	mg/L			06/04/21 14:58	1

Client Sample ID: WC-24B (1-3)
Lab Sample ID: 460-235697-4
Date Collected: 06/02/21 11:50
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 89.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2,4-Trichlorobenzene	0.0014	U *	0.0014	0.00049	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00063	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00058	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
2-Butanone (MEK)	0.0068	U	0.0068	0.00050	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
2-Hexanone	0.0068	U	0.0068	0.0023	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
4-Methyl-2-pentanone (MIBK)	0.0068	U	0.0068	0.0021	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Acetone	0.0082	U	0.0082	0.0078	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Benzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Bromoform	0.0014	U	0.0014	0.00058	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Bromomethane	0.0027	U	0.0027	0.0014	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1

Client Sample ID: WC-24B (1-3)
Date Collected: 06/02/21 11:50
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-4
Matrix: Solid
Percent Solids: 89.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0014	U	0.0014	0.00053	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chlorobromomethane	0.0014	U	0.0014	0.00038	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chloroethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Chloromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Methyl acetate	0.0068	U	0.0068	0.0059	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00070	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Methylcyclohexane	0.0014	U	0.0014	0.00068	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Methylene Chloride	0.0027	U	0.0027	0.0016	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Trichloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00055	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1
Vinyl chloride	0.0014	U	0.0014	0.00075	mg/Kg	☼	06/02/21 23:41	06/05/21 01:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/02/21 23:41*	*06/05/21 01:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*06/02/21 23:41*	*06/05/21 01:52*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/02/21 23:41*	*06/05/21 01:52*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*06/02/21 23:41*	*06/05/21 01:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/02/21 23:41*	*06/05/21 01:52*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/07/21 13:58	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/07/21 13:58	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/07/21 13:58	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/07/21 13:58	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/07/21 13:58	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/07/21 13:58	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/07/21 13:58	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/07/21 13:58	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/07/21 13:58	10

Client Sample ID: WC-24B (1-3)
Lab Sample ID: 460-235697-4
Date Collected: 06/02/21 11:50
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 89.0

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/07/21 13:58	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/07/21 13:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 123*		*06/07/21 13:58*	*10*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/07/21 13:58*	*10*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*06/07/21 13:58*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/21 13:58*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		1.0	1.0	%			06/04/21 15:12	1
Percent Solids	**89.0**		1.0	1.0	%			06/04/21 15:12	1

Client Sample ID: WC-23C (13-15)
Lab Sample ID: 460-235812-1
Date Collected: 06/03/21 09:10
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 83.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
2-Butanone (MEK)	0.0061	U	0.0061	0.00045	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Acetone	0.0073	U	0.0073	0.0069	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1

Client Sample ID: WC-23C (13-15)
Date Collected: 06/03/21 09:10
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-1
Matrix: Solid
Percent Solids: 83.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Methyl acetate	0.0061	U	0.0061	0.0052	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	06/04/21 10:57	06/05/21 08:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/04/21 10:57*	*06/05/21 08:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*06/04/21 10:57*	*06/05/21 08:29*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*	*06/04/21 10:57*	*06/05/21 08:29*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*	*06/04/21 10:57*	*06/05/21 08:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/04/21 10:57*	*06/05/21 08:29*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/09/21 17:19	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/09/21 17:19	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/09/21 17:19	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/09/21 17:19	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/09/21 17:19	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/09/21 17:19	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/09/21 17:19	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/09/21 17:19	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/09/21 17:19	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/09/21 17:19	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/09/21 17:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/09/21 17:19*	*10*
4-Bromofluorobenzene	*109*		*76 - 120*		*06/09/21 17:19*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*06/09/21 17:19*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/09/21 17:19*	*10*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23C (13-15)

Lab Sample ID: 460-235812-1
Date Collected: 06/03/21 09:10
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 83.5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.5		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	83.5		1.0	1.0	%			06/07/21 13:05	1

Client Sample ID: WC-23A (6-8)

Lab Sample ID: 460-235812-2
Date Collected: 06/03/21 09:00
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 87.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
2-Butanone (MEK)	0.0058	U	0.0058	0.00043	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
2-Hexanone	0.0058	U	0.0058	0.0020	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
4-Methyl-2-pentanone (MIBK)	0.0058	U	0.0058	0.0018	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Acetone	0.0070	U	0.0070	0.0066	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Bromoform	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chlorodibromomethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chloroethane	0.0012	U	0.0012	0.00060	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Chloromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00039	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00059	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1

Client Sample ID: WC-23A (6-8)
Date Collected: 06/03/21 09:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-2
Matrix: Solid
Percent Solids: 87.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
o-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Styrene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Tetrachloroethene	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Trichloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1
Vinyl chloride	0.0012	U	0.0012	0.00063	mg/Kg	☼	06/04/21 10:59	06/05/21 08:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/04/21 10:59*	*06/05/21 08:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*06/04/21 10:59*	*06/05/21 08:52*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*06/04/21 10:59*	*06/05/21 08:52*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*	*06/04/21 10:59*	*06/05/21 08:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/04/21 10:59*	*06/05/21 08:52*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/09/21 17:45	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/09/21 17:45	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/09/21 17:45	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/09/21 17:45	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/09/21 17:45	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/09/21 17:45	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/09/21 17:45	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/09/21 17:45	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/09/21 17:45	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/09/21 17:45	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/09/21 17:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*06/09/21 17:45*	*10*
4-Bromofluorobenzene	*106*		*76 - 120*		*06/09/21 17:45*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/09/21 17:45*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/09/21 17:45*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	**87.7**		1.0	1.0	%			06/07/21 13:05	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-17B (1-3)
Date Collected: 06/03/21 13:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-3
Matrix: Solid
Percent Solids: 86.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1

Client Sample ID: WCR-17B (1-3)
Lab Sample ID: 460-235812-3

Date Collected: 06/03/21 13:30
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 86.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	06/04/21 11:01	06/05/21 09:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/04/21 11:01*	*06/05/21 09:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*06/04/21 11:01*	*06/05/21 09:16*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*06/04/21 11:01*	*06/05/21 09:16*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*06/04/21 11:01*	*06/05/21 09:16*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/04/21 11:01*	*06/05/21 09:16*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/09/21 18:11	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/09/21 18:11	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/09/21 18:11	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/09/21 18:11	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/09/21 18:11	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/09/21 18:11	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/09/21 18:11	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/09/21 18:11	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/09/21 18:11	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/09/21 18:11	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/09/21 18:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/09/21 18:11*	*10*
4-Bromofluorobenzene	*105*		*76 - 120*		*06/09/21 18:11*	*10*
Dibromofluoromethane (Surr)	*111*		*77 - 124*		*06/09/21 18:11*	*10*
Toluene-d8 (Surr)	*111*		*80 - 120*		*06/09/21 18:11*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	**86.5**		1.0	1.0	%			06/07/21 13:05	1

Client Sample ID: WC-23D (1-3)
Lab Sample ID: 460-235812-4

Date Collected: 06/03/21 12:10
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 89.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23D (1-3)
Date Collected: 06/03/21 12:10
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-4
Matrix: Solid
Percent Solids: 89.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00069	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00063	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
2-Hexanone	0.0075	U	0.0075	0.0026	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
4-Methyl-2-pentanone (MIBK)	0.0075	U	0.0075	0.0023	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Acetone	**0.021**		0.0090	0.0086	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Bromoform	0.0015	U	0.0015	0.00064	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Carbon disulfide	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chloroethane	0.0015	U	0.0015	0.00078	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Chloromethane	0.0015	U	0.0015	0.00065	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Dichlorobromomethane	0.0015	U	0.0015	0.00038	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00051	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Isopropylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Methyl acetate	0.0075	U	0.0075	0.0064	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Methylcyclohexane	0.0015	U	0.0015	0.00075	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Styrene	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00061	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	06/04/21 11:03	06/05/21 09:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/04/21 11:03*	*06/05/21 09:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*06/04/21 11:03*	*06/05/21 09:39*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*	*06/04/21 11:03*	*06/05/21 09:39*	*1*

Client Sample ID: WC-23D (1-3)
Lab Sample ID: 460-235812-4

Date Collected: 06/03/21 12:10
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 89.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*48 - 150*	*06/04/21 11:03*	*06/05/21 09:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/04/21 11:03*	*06/05/21 09:39*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/09/21 18:37	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/09/21 18:37	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/09/21 18:37	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/09/21 18:37	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/09/21 18:37	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/09/21 18:37	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/09/21 18:37	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/09/21 18:37	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/09/21 18:37	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/09/21 18:37	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/09/21 18:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/09/21 18:37*	*10*
4-Bromofluorobenzene	*112*		*76 - 120*		*06/09/21 18:37*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*06/09/21 18:37*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/09/21 18:37*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	**89.5**		1.0	1.0	%			06/07/21 13:05	1

Client Sample ID: WC-23 (0-5)
Lab Sample ID: 460-235812-5

Date Collected: 06/03/21 12:00
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0050	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23 (0-5)
Date Collected: 06/03/21 12:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-5
Matrix: Solid
Percent Solids: 88.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
2-Nitrophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Chloroaniline	0.37	U	0.37	0.067	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Acenaphthylene	0.37	U	0.37	0.0038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzo[a]anthracene	**0.057**		0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzo[a]pyrene	**0.046**		0.037	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzo[b]fluoranthene	**0.066**		0.037	0.0097	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzo[g,h,i]perylene	**0.026**	**J**	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Benzo[k]fluoranthene	**0.023**	**J**	0.037	0.0074	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Bis(2-ethylhexyl) phthalate	**0.052**	**J**	0.37	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Chrysene	**0.088**	**J**	0.37	0.0063	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Dibenzofuran	0.37	U	0.37	0.0053	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Fluoranthene	**0.090**	**J**	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Fluorene	0.37	U	0.37	0.0051	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Indeno[1,2,3-cd]pyrene	**0.033**	**J**	0.037	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1

Client Sample ID: WC-23 (0-5)
Date Collected: 06/03/21 12:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-5
Matrix: Solid
Percent Solids: 88.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	**0.10**	**J**	0.37	0.0066	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1
Pyrene	**0.099**	**J**	0.37	0.0093	mg/Kg	☼	06/04/21 20:42	06/05/21 22:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*16*	*A J*	*mg/Kg*	☼	*2.20*		*06/04/21 20:42*	*06/05/21 22:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 123*	*06/04/21 20:42*	*06/05/21 22:19*	*1*
2-Fluorobiphenyl	*84*		*14 - 103*	*06/04/21 20:42*	*06/05/21 22:19*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 105*	*06/04/21 20:42*	*06/05/21 22:19*	*1*
Nitrobenzene-d5 (Surr)	*81*		*11 - 104*	*06/04/21 20:42*	*06/05/21 22:19*	*1*
Phenol-d5 (Surr)	*84*		*15 - 100*	*06/04/21 20:42*	*06/05/21 22:19*	*1*
Terphenyl-d14 (Surr)	*99*		*12 - 126*	*06/04/21 20:42*	*06/05/21 22:19*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/07/21 09:48	06/08/21 04:38	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:48	06/08/21 04:38	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:48	06/08/21 04:38	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:48	06/08/21 04:38	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:48	06/08/21 04:38	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:48	06/08/21 04:38	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:48	06/08/21 04:38	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:48	06/08/21 04:38	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:48	06/08/21 04:38	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:48	06/08/21 04:38	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:48	06/08/21 04:38	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:48	06/08/21 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*06/07/21 09:48*	*06/08/21 04:38*	*1*
2-Fluorobiphenyl	*70*		*42 - 127*	*06/07/21 09:48*	*06/08/21 04:38*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*06/07/21 09:48*	*06/08/21 04:38*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*06/07/21 09:48*	*06/08/21 04:38*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*06/07/21 09:48*	*06/08/21 04:38*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 150*	*06/07/21 09:48*	*06/08/21 04:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
4,4'-DDT	**0.0044**	**J**	0.0076	0.0014	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1

Client Sample ID: WC-23 (0-5)
Lab Sample ID: 460-235812-5
Date Collected: 06/03/21 12:00
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	06/05/21 16:30	06/08/21 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*06/05/21 16:30*	*06/08/21 07:50*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*06/05/21 16:30*	*06/08/21 07:50*	*1*
Tetrachloro-m-xylene	*63*		*10 - 133*	*06/05/21 16:30*	*06/08/21 07:50*	*1*
Tetrachloro-m-xylene	*54*		*10 - 133*	*06/05/21 16:30*	*06/08/21 07:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 07:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 07:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 07:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 07:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 07:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 07:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*06/07/21 09:58*	*06/08/21 07:46*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*06/07/21 09:58*	*06/08/21 07:46*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/07/21 09:58*	*06/08/21 07:46*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*06/07/21 09:58*	*06/08/21 07:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1260	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:17*	*1*
DCB Decachlorobiphenyl	*74*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:17*	*1*
Tetrachloro-m-xylene	*72*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:17*	*1*
Tetrachloro-m-xylene	*80*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:17*	*1*

Client Sample ID: WC-23 (0-5)
Date Collected: 06/03/21 12:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-5
Matrix: Solid
Percent Solids: 88.2

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	06/04/21 23:53	06/07/21 18:37	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/04/21 23:53	06/07/21 18:37	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	06/04/21 23:53	06/07/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*65 - 150*	*06/04/21 23:53*	*06/07/21 18:37*	*1*
2,4-Dichlorophenylacetic acid	*119*		*65 - 150*	*06/04/21 23:53*	*06/07/21 18:37*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/07/21 23:52	06/08/21 12:16	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/07/21 23:52	06/08/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*84*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:16*	*1*
2,4-Dichlorophenylacetic acid	*93*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:16*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**300**		2.3	2.3	mg/Kg	☼	06/07/21 12:13	06/08/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*40 - 140*	*06/07/21 12:13*	*06/08/21 12:43*	*1*
1-Chlorooctadecane	*102*		*40 - 140*	*06/07/21 12:13*	*06/08/21 12:43*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/08/21 04:59	06/08/21 17:08	5
Barium	**0.33**	**J**	1.0	0.066	mg/L		06/08/21 04:59	06/08/21 17:08	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/08/21 04:59	06/08/21 17:08	5
Chromium	**0.057**		0.050	0.025	mg/L		06/08/21 04:59	06/08/21 17:08	5
Lead	0.050	U	0.050	0.012	mg/L		06/08/21 04:59	06/08/21 17:08	5
Selenium	0.10	U	0.10	0.029	mg/L		06/08/21 04:59	06/08/21 17:08	5
Silver	0.050	U	0.050	0.029	mg/L		06/08/21 04:59	06/08/21 17:08	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7820**		21.0	2.7	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Antimony	**0.16**	**J**	1.0	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Arsenic	**8.0**		1.0	0.10	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Barium	**73.0**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Beryllium	**0.47**		0.42	0.060	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Cadmium	**0.14**	**J**	1.0	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Calcium	**14300**		105	17.8	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Chromium	**18.4**		2.1	0.18	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Cobalt	**5.6**		2.1	0.16	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Copper	**32.6**		2.1	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Iron	**16800**		63.0	21.2	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Lead	**107**		0.63	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Magnesium	**3140**		105	10.7	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Manganese	**273**		4.2	0.42	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1

Client Sample ID: WC-23 (0-5)
Date Collected: 06/03/21 12:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-5
Matrix: Solid
Percent Solids: 88.2

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	12.5		2.1	0.20	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Potassium	880		105	11.8	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Selenium	0.48	J	1.3	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Sodium	463		105	16.4	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Thallium	0.12	J	0.42	0.043	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Vanadium	23.3		2.1	0.22	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1
Zinc	57.1		8.4	2.4	mg/Kg	☼	06/10/21 05:18	06/10/21 13:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.018	0.0042	mg/Kg	☼	06/10/21 03:08	06/10/21 07:08	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.0	HF			SU			06/10/21 11:35	1
Corrosivity	11.0	HF			SU			06/10/21 11:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.1		0.47	0.16	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.12	J	0.23	0.12	mg/Kg	☼	06/09/21 19:03	06/10/21 14:08	1
Oil & Grease	251	J	669	223	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	17.3		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	11.8		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	88.2		1.0	1.0	%			06/07/21 13:05	1
Total Solids	90.1		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	5.2		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.0	H			S.U.			06/05/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.8				S.U.			06/07/21 13:00	1
Temperature	24.5				Degrees C			06/07/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	1.8	J	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:50	1

Client Sample ID: WC-23 (0-5)
Lab Sample ID: 460-235812-5

Date Collected: 06/03/21 12:00
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**284**		10.0	10.0	mg/L			06/07/21 09:15	1

Client Sample ID: WC-23_WC-24 (10-18)
Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 85.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0051	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0070	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
2-Nitrophenol	0.38	U	0.38	0.039	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Acenaphthylene	0.38	U	0.38	0.0039	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Atrazine	0.15	U	0.15	0.023	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzaldehyde	0.38	U	0.38	0.064	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzo[a]anthracene	0.038	U	0.038	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzo[b]fluoranthene	0.038	U	0.038	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23_WC-24 (10-18)
Date Collected: 06/03/21 09:45
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-6
Matrix: Solid
Percent Solids: 85.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Chrysene	0.38	U	0.38	0.0065	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Dibenzofuran	0.38	U	0.38	0.0054	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Diethyl phthalate	0.38	U	0.38	0.0056	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Fluorene	0.38	U	0.38	0.0052	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Naphthalene	0.38	U	0.38	0.0067	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Nitrobenzene	0.038	U	0.038	0.0092	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Phenanthrene	0.38	U	0.38	0.0068	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1
Pyrene	0.38	U	0.38	0.0096	mg/Kg	☼	06/04/21 20:42	06/05/21 22:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*2.1*	*A J*	*mg/Kg*	☼	*2.19*		*06/04/21 20:42*	*06/05/21 22:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*	*06/04/21 20:42*	*06/05/21 22:36*	*1*
2-Fluorobiphenyl	*78*		*14 - 103*	*06/04/21 20:42*	*06/05/21 22:36*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 105*	*06/04/21 20:42*	*06/05/21 22:36*	*1*
Nitrobenzene-d5 (Surr)	*73*		*11 - 104*	*06/04/21 20:42*	*06/05/21 22:36*	*1*
Phenol-d5 (Surr)	*79*		*15 - 100*	*06/04/21 20:42*	*06/05/21 22:36*	*1*
Terphenyl-d14 (Surr)	*93*		*12 - 126*	*06/04/21 20:42*	*06/05/21 22:36*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/07/21 09:48	06/08/21 04:59	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:48	06/08/21 04:59	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:48	06/08/21 04:59	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:48	06/08/21 04:59	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:48	06/08/21 04:59	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:48	06/08/21 04:59	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:48	06/08/21 04:59	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:48	06/08/21 04:59	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:48	06/08/21 04:59	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:48	06/08/21 04:59	1

Client Sample ID: WC-23_WC-24 (10-18)
Lab Sample ID: 460-235812-6
Date Collected: 06/03/21 09:45
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 85.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:48	06/08/21 04:59	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:48	06/08/21 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 150*	*06/07/21 09:48*	*06/08/21 04:59*	*1*
2-Fluorobiphenyl	*69*		*42 - 127*	*06/07/21 09:48*	*06/08/21 04:59*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*06/07/21 09:48*	*06/08/21 04:59*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 137*	*06/07/21 09:48*	*06/08/21 04:59*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*06/07/21 09:48*	*06/08/21 04:59*	*1*
Terphenyl-d14 (Surr)	*108*		*39 - 150*	*06/07/21 09:48*	*06/08/21 04:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
4,4'-DDE	0.0078	U	0.0078	0.00092	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	06/05/21 16:30	06/08/21 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/05/21 16:30*	*06/08/21 08:04*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/05/21 16:30*	*06/08/21 08:04*	*1*
Tetrachloro-m-xylene	*63*		*10 - 133*	*06/05/21 16:30*	*06/08/21 08:04*	*1*
Tetrachloro-m-xylene	*58*		*10 - 133*	*06/05/21 16:30*	*06/08/21 08:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 08:02	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 08:02	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 08:02	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 08:02	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 08:02	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 08:02	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 08:02	1

Client Sample ID: WC-23_WC-24 (10-18)
Date Collected: 06/03/21 09:45
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-6
Matrix: Solid
Percent Solids: 85.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:02*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:02*	*1*
Tetrachloro-m-xylene	*62*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:02*	*1*
Tetrachloro-m-xylene	*66*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1221	0.078	U	0.078	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1232	0.078	U	0.078	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1242	0.078	U	0.078	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1248	0.078	U	0.078	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1254	0.078	U	0.078	0.011	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1260	0.078	U	0.078	0.011	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor-1262	0.078	U	0.078	0.011	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Aroclor 1268	0.078	U	0.078	0.011	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.011	mg/Kg	☼	06/05/21 16:22	06/07/21 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:33*	*1*
DCB Decachlorobiphenyl	*97*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:33*	*1*
Tetrachloro-m-xylene	*83*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:33*	*1*
Tetrachloro-m-xylene	*92*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:33*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0082	mg/Kg	☼	06/04/21 23:53	06/07/21 18:51	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	06/04/21 23:53	06/07/21 18:51	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0040	mg/Kg	☼	06/04/21 23:53	06/07/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*06/04/21 23:53*	*06/07/21 18:51*	*1*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*	*06/04/21 23:53*	*06/07/21 18:51*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/07/21 23:52	06/08/21 12:30	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/07/21 23:52	06/08/21 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:30*	*1*
2,4-Dichlorophenylacetic acid	*85*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:30*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.3	U	2.3	2.3	mg/Kg	☼	06/07/21 12:13	06/08/21 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*40 - 140*	*06/07/21 12:13*	*06/08/21 12:57*	*1*
1-Chlorooctadecane	*102*		*40 - 140*	*06/07/21 12:13*	*06/08/21 12:57*	*1*

Client Sample ID: WC-23_WC-24 (10-18)
Date Collected: 06/03/21 09:45
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-6
Matrix: Solid
Percent Solids: 85.9

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/08/21 04:59	06/08/21 17:12	5
Barium	**0.68**	**J**	1.0	0.066	mg/L		06/08/21 04:59	06/08/21 17:12	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/08/21 04:59	06/08/21 17:12	5
Chromium	0.050	U	0.050	0.025	mg/L		06/08/21 04:59	06/08/21 17:12	5
Lead	0.050	U	0.050	0.012	mg/L		06/08/21 04:59	06/08/21 17:12	5
Selenium	0.10	U	0.10	0.029	mg/L		06/08/21 04:59	06/08/21 17:12	5
Silver	0.050	U	0.050	0.029	mg/L		06/08/21 04:59	06/08/21 17:12	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4720**		22.6	2.9	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Arsenic	**1.3**		1.1	0.11	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Barium	**67.8**		2.3	0.16	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Beryllium	**0.27**	**J**	0.45	0.064	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Cadmium	1.1	U	1.1	0.13	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Calcium	**5750**		113	19.2	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Chromium	**10.2**		2.3	0.20	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Cobalt	**4.2**		2.3	0.17	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Copper	**12.1**		2.3	0.25	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Iron	**10400**		67.8	22.8	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Lead	**3.3**		0.68	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Magnesium	**4190**		113	11.5	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Manganese	**407**		4.5	0.46	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Nickel	**10.2**		2.3	0.22	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Potassium	**1020**		113	12.7	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Selenium	1.4	U	1.4	0.13	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Sodium	**227**		113	17.6	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Thallium	0.45	U	0.45	0.046	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Vanadium	**14.5**		2.3	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1
Zinc	**24.7**		9.0	2.6	mg/Kg	☼	06/10/21 05:18	06/10/21 13:57	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0044	mg/Kg	☼	06/10/21 03:08	06/10/21 07:10	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.2**	**HF**			SU			06/10/21 11:36	1
Corrosivity	**9.2**	**HF**			SU			06/10/21 11:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.26**	**J**	0.48	0.16	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	06/09/21 19:03	06/10/21 14:09	1
Oil & Grease	691	U	691	230	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Client Sample ID: WC-23_WC-24 (10-18)
Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 85.9

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**9.9**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**14.1**		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	**85.9**		1.0	1.0	%			06/07/21 13:05	1
Total Solids	**82.4**		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	**0.58**		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**	**H**			S.U.			06/05/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			06/07/21 13:00	1
Temperature	**24.5**				Degrees C			06/07/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**2.1**	**J**	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**107**		10.0	10.0	mg/L			06/07/21 09:15	1

Client Sample ID: WC-23_WC-24 (5-10)
Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0050	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4-Dimethylphenol	0.37	U	0.37	0.017	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
2-Nitrophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23_WC-24 (5-10)
Date Collected: 06/03/21 09:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-7
Matrix: Solid
Percent Solids: 88.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Chloroaniline	0.37	U	0.37	0.067	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Acenaphthylene	0.37	U	0.37	0.0038	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzo[a]anthracene	0.037	U	0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzo[a]pyrene	0.037	U	0.037	0.010	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0097	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0074	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Chrysene	0.37	U	0.37	0.0063	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Dibenzofuran	0.37	U	0.37	0.0053	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Fluorene	0.37	U	0.37	0.0051	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Phenanthrene	0.37	U	0.37	0.0066	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-23_WC-24 (5-10)
Date Collected: 06/03/21 09:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-7
Matrix: Solid
Percent Solids: 88.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.37	U	0.37	0.0093	mg/Kg	☼	06/04/21 20:42	06/05/21 22:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.0*	*A J*	*mg/Kg*	☼	*2.19*		*06/04/21 20:42*	*06/05/21 22:53*	*1*
Squalene	*0.44*	*J N*	*mg/Kg*	☼	*9.72*	*7683-64-9*	*06/04/21 20:42*	*06/05/21 22:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*	*06/04/21 20:42*	*06/05/21 22:53*	*1*
2-Fluorobiphenyl	*79*		*14 - 103*	*06/04/21 20:42*	*06/05/21 22:53*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 105*	*06/04/21 20:42*	*06/05/21 22:53*	*1*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*	*06/04/21 20:42*	*06/05/21 22:53*	*1*
Phenol-d5 (Surr)	*79*		*15 - 100*	*06/04/21 20:42*	*06/05/21 22:53*	*1*
Terphenyl-d14 (Surr)	*97*		*12 - 126*	*06/04/21 20:42*	*06/05/21 22:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/07/21 09:48	06/08/21 05:19	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:48	06/08/21 05:19	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:48	06/08/21 05:19	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:48	06/08/21 05:19	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:48	06/08/21 05:19	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:48	06/08/21 05:19	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:48	06/08/21 05:19	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:48	06/08/21 05:19	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:48	06/08/21 05:19	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:48	06/08/21 05:19	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:48	06/08/21 05:19	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:48	06/08/21 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*06/07/21 09:48*	*06/08/21 05:19*	*1*
2-Fluorobiphenyl	*70*		*42 - 127*	*06/07/21 09:48*	*06/08/21 05:19*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*06/07/21 09:48*	*06/08/21 05:19*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*06/07/21 09:48*	*06/08/21 05:19*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*06/07/21 09:48*	*06/08/21 05:19*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 150*	*06/07/21 09:48*	*06/08/21 05:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1

Client Sample ID: WC-23_WC-24 (5-10)
Lab Sample ID: 460-235812-7
Date Collected: 06/03/21 09:30
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	06/05/21 16:30	06/08/21 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/05/21 16:30*	*06/08/21 08:19*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 150*	*06/05/21 16:30*	*06/08/21 08:19*	*1*
Tetrachloro-m-xylene	*58*		*10 - 133*	*06/05/21 16:30*	*06/08/21 08:19*	*1*
Tetrachloro-m-xylene	*55*		*10 - 133*	*06/05/21 16:30*	*06/08/21 08:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 08:18	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 08:18	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 08:18	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 08:18	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 08:18	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 08:18	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:18*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:18*	*1*
Tetrachloro-m-xylene	*58*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:18*	*1*
Tetrachloro-m-xylene	*60*		*10 - 150*	*06/07/21 09:58*	*06/08/21 08:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1260	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.010	mg/Kg	☼	06/05/21 16:22	06/07/21 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:50*	*1*
DCB Decachlorobiphenyl	*102*		*37 - 150*	*06/05/21 16:22*	*06/07/21 12:50*	*1*
Tetrachloro-m-xylene	*85*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:50*	*1*
Tetrachloro-m-xylene	*95*		*54 - 150*	*06/05/21 16:22*	*06/07/21 12:50*	*1*

Client Sample ID: WC-23_WC-24 (5-10)
Date Collected: 06/03/21 09:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-7
Matrix: Solid
Percent Solids: 88.1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	06/04/21 23:53	06/07/21 19:18	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/04/21 23:53	06/07/21 19:18	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	06/04/21 23:53	06/07/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*	*06/04/21 23:53*	*06/07/21 19:18*	*1*
2,4-Dichlorophenylacetic acid	*116*		*65 - 150*	*06/04/21 23:53*	*06/07/21 19:18*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/07/21 23:52	06/08/21 12:44	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/07/21 23:52	06/08/21 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:44*	*1*
2,4-Dichlorophenylacetic acid	*88*		*28 - 150*	*06/07/21 23:52*	*06/08/21 12:44*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.3	U	2.3	2.3	mg/Kg	☼	06/07/21 12:13	06/08/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*40 - 140*	*06/07/21 12:13*	*06/08/21 13:10*	*1*
1-Chlorooctadecane	*99*		*40 - 140*	*06/07/21 12:13*	*06/08/21 13:10*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/08/21 04:59	06/08/21 17:16	5
Barium	**0.33**	**J**	1.0	0.066	mg/L		06/08/21 04:59	06/08/21 17:16	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/08/21 04:59	06/08/21 17:16	5
Chromium	0.050	U	0.050	0.025	mg/L		06/08/21 04:59	06/08/21 17:16	5
Lead	0.050	U	0.050	0.012	mg/L		06/08/21 04:59	06/08/21 17:16	5
Selenium	0.10	U	0.10	0.029	mg/L		06/08/21 04:59	06/08/21 17:16	5
Silver	0.050	U	0.050	0.029	mg/L		06/08/21 04:59	06/08/21 17:16	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5930**		21.2	2.8	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Antimony	1.1	U	1.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Arsenic	**1.3**		1.1	0.11	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Barium	**48.4**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Beryllium	**0.32**	**J**	0.42	0.060	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Calcium	**3810**		106	18.0	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Chromium	**12.6**		2.1	0.18	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Cobalt	**4.8**		2.1	0.16	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Copper	**10.8**		2.1	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Iron	**10800**		63.6	21.4	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Lead	**8.8**		0.64	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Magnesium	**3970**		106	10.8	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Manganese	**261**		4.2	0.43	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1

Client Sample ID: WC-23_WC-24 (5-10)
Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.1

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**10.9**		2.1	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Potassium	**1240**		106	11.9	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Silver	1.1	U	1.1	0.094	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Sodium	**239**		106	16.5	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Thallium	**0.061**	**J**	0.42	0.043	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Vanadium	**16.0**		2.1	0.22	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1
Zinc	**24.6**		8.5	2.4	mg/Kg	☼	06/10/21 05:18	06/10/21 13:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0045	mg/Kg	☼	06/10/21 03:08	06/10/21 07:12	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**			SU			06/10/21 11:38	1
Corrosivity	**8.2**	**HF**			SU			06/10/21 11:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	06/09/21 19:03	06/10/21 14:10	1
Oil & Grease	669	U	669	223	mg/Kg	☼	06/08/21 19:45	06/09/21 12:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/08/21 14:40	1
Cr (III)	**12.6**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	06/05/21 16:16	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**11.9**		1.0	1.0	%			06/07/21 13:05	1
Percent Solids	**88.1**		1.0	1.0	%			06/07/21 13:05	1
Total Solids	**85.3**		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	**1.3**		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**H**			S.U.			06/06/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/07/21 13:00	1
Temperature	**24.5**				Degrees C			06/07/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.5**	**J**	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:54	1

Client Sample ID: WC-23_WC-24 (5-10)
Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 88.1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**144**		10.0	10.0	mg/L			06/07/21 09:15	1

Client Sample ID: WCR-17 (0-8)
Lab Sample ID: 460-235918-1

Date Collected: 06/04/21 07:50
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0052	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0071	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Methylnaphthalene	**0.013**	**J**	0.39	0.011	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Nitroaniline	0.39	U	0.39	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
4-Nitrophenol	0.79	U	0.79	0.064	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Acenaphthylene	**0.012**	**J**	0.39	0.0039	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzaldehyde	0.39	U	0.39	0.065	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzo[a]anthracene	**0.061**		0.039	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzo[a]pyrene	**0.060**		0.039	0.010	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzo[b]fluoranthene	**0.087**		0.039	0.010	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzo[g,h,i]perylene	**0.041**	**J**	0.39	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Benzo[k]fluoranthene	**0.029**	**J**	0.039	0.0077	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Bis(2-ethylhexyl) phthalate	**0.071**	**J**	0.39	0.021	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-17 (0-8)
Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-1
Matrix: Solid
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	**0.033**	**J**	0.39	0.018	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Chrysene	**0.077**	**J**	0.39	0.0066	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Dibenzofuran	0.39	U	0.39	0.0055	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Diethyl phthalate	0.39	U	0.39	0.0057	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Di-n-butyl phthalate	**0.031**	**J**	0.39	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Fluoranthene	**0.10**	**J**	0.39	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Fluorene	0.39	U	0.39	0.0053	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Indeno[1,2,3-cd]pyrene	**0.039**		0.039	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Naphthalene	**0.026**	**J**	0.39	0.0068	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Nitrobenzene	0.039	U	0.039	0.0094	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Phenanthrene	**0.070**	**J**	0.39	0.0069	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1
Pyrene	**0.093**	**J**	0.39	0.0097	mg/Kg	☼	06/06/21 12:41	06/08/21 01:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*39*	*A J*	*mg/Kg*	☼	*2.63*		*06/06/21 12:41*	*06/08/21 01:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*28*		*10 - 123*	*06/06/21 12:41*	*06/08/21 01:10*	*1*
2-Fluorobiphenyl	*42*		*14 - 103*	*06/06/21 12:41*	*06/08/21 01:10*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 105*	*06/06/21 12:41*	*06/08/21 01:10*	*1*
Nitrobenzene-d5 (Surr)	*45*		*11 - 104*	*06/06/21 12:41*	*06/08/21 01:10*	*1*
Phenol-d5 (Surr)	*48*		*15 - 100*	*06/06/21 12:41*	*06/08/21 01:10*	*1*
Terphenyl-d14 (Surr)	*42*		*12 - 126*	*06/06/21 12:41*	*06/08/21 01:10*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/08/21 10:19	06/08/21 23:31	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/08/21 10:19	06/08/21 23:31	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/08/21 10:19	06/08/21 23:31	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/08/21 10:19	06/08/21 23:31	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/08/21 10:19	06/08/21 23:31	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/08/21 10:19	06/08/21 23:31	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/08/21 10:19	06/08/21 23:31	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/08/21 10:19	06/08/21 23:31	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/08/21 10:19	06/08/21 23:31	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/08/21 10:19	06/08/21 23:31	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-17 (0-8)
Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-1
Matrix: Solid
Percent Solids: 84.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/08/21 10:19	06/08/21 23:31	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/08/21 10:19	06/08/21 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 150*	*06/08/21 10:19*	*06/08/21 23:31*	*1*
2-Fluorobiphenyl	*64*		*42 - 127*	*06/08/21 10:19*	*06/08/21 23:31*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*06/08/21 10:19*	*06/08/21 23:31*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*06/08/21 10:19*	*06/08/21 23:31*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/08/21 10:19*	*06/08/21 23:31*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 150*	*06/08/21 10:19*	*06/08/21 23:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0013	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
4,4'-DDE	0.0079	U	0.0079	0.00093	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
4,4'-DDT	0.0079	U	0.0079	0.0015	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
alpha-BHC	0.0024	U	0.0024	0.00080	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
beta-BHC	0.0024	U	0.0024	0.00089	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endosulfan sulfate	0.0079	U	0.0079	0.00099	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00073	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Heptachlor	0.0079	U	0.0079	0.00093	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1
Toxaphene	0.079	U	0.079	0.029	mg/Kg	☼	06/06/21 15:10	06/07/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*06/06/21 15:10*	*06/07/21 13:45*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/06/21 15:10*	*06/07/21 13:45*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*06/06/21 15:10*	*06/07/21 13:45*	*1*
Tetrachloro-m-xylene	*73*		*10 - 133*	*06/06/21 15:10*	*06/07/21 13:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:24	06/09/21 12:05	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:05	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:24	06/09/21 12:05	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:24	06/09/21 12:05	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:24	06/09/21 12:05	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:05	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:24	06/09/21 12:05	1

Client Sample ID: WCR-17 (0-8)
Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-1
Matrix: Solid
Percent Solids: 84.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 150	06/08/21 10:24	06/09/21 12:05	1
DCB Decachlorobiphenyl	61		10 - 150	06/08/21 10:24	06/09/21 12:05	1
Tetrachloro-m-xylene	49		10 - 150	06/08/21 10:24	06/09/21 12:05	1
Tetrachloro-m-xylene	47		10 - 150	06/08/21 10:24	06/09/21 12:05	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1221	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1232	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1242	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1248	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1260	**0.74**		0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1
Polychlorinated biphenyls, Total	**0.74**		0.079	0.011	mg/Kg	☼	06/06/21 15:07	06/09/21 10:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	126		37 - 150	06/06/21 15:07	06/09/21 10:31	1
DCB Decachlorobiphenyl	124		37 - 150	06/06/21 15:07	06/09/21 10:31	1
Tetrachloro-m-xylene	101		54 - 150	06/06/21 15:07	06/09/21 10:31	1
Tetrachloro-m-xylene	115		54 - 150	06/06/21 15:07	06/09/21 10:31	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0084	mg/Kg	☼	06/07/21 23:57	06/09/21 12:46	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	06/07/21 23:57	06/09/21 12:46	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	06/07/21 23:57	06/09/21 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	82		65 - 150	06/07/21 23:57	06/09/21 12:46	1
2,4-Dichlorophenylacetic acid	99		65 - 150	06/07/21 23:57	06/09/21 12:46	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 07:53	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	87		28 - 150	06/08/21 14:45	06/09/21 07:53	1
2,4-Dichlorophenylacetic acid	98		28 - 150	06/08/21 14:45	06/09/21 07:53	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**110**		2.4	2.4	mg/Kg	☼	06/07/21 12:04	06/08/21 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		40 - 140	06/07/21 12:04	06/08/21 20:54	1
1-Chlorooctadecane	109		40 - 140	06/07/21 12:04	06/08/21 20:54	1

Client Sample ID: WCR-17 (0-8)
Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-1
Matrix: Solid
Percent Solids: 84.5

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 14:24	5
Barium	**0.53**	**J**	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 14:24	5
Cadmium	**0.0018**	**J**	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 14:24	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 14:24	5
Lead	**0.038**	**J**	0.050	0.012	mg/L		06/09/21 06:57	06/10/21 14:24	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 14:24	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 14:24	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7080**		23.0	3.0	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Antimony	**0.44**	**J**	1.1	0.17	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Arsenic	**6.6**		1.1	0.11	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Barium	**61.2**		2.3	0.17	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Beryllium	**0.35**	**J**	0.46	0.065	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Cadmium	**0.18**	**J**	1.1	0.13	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Calcium	**17800**		115	19.5	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Chromium	**16.9**		2.3	0.20	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Cobalt	**8.3**		2.3	0.17	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Copper	**37.4**		2.3	0.25	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Iron	**19800**		68.9	23.2	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Lead	**76.1**		0.69	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Magnesium	**2720**		115	11.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Manganese	**393**		4.6	0.46	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Nickel	**12.4**		2.3	0.22	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Potassium	**869**		115	12.9	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Selenium	**0.28**	**J**	1.4	0.14	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Sodium	**298**		115	17.9	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Thallium	**0.066**	**J**	0.46	0.047	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Vanadium	**22.5**		2.3	0.24	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1
Zinc	**74.8**		9.2	2.6	mg/Kg	☼	06/10/21 05:18	06/10/21 14:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.019	0.0044	mg/Kg	☼	06/08/21 04:39	06/08/21 09:55	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**HF**			SU			06/10/21 11:40	1
Corrosivity	**8.4**	**HF**			SU			06/10/21 11:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.75**		0.50	0.17	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	06/09/21 19:03	06/10/21 14:22	1
Oil & Grease	**318**	**J**	706	235	mg/Kg	☼	06/11/21 19:55	06/13/21 11:20	1

Client Sample ID: WCR-17 (0-8)
Lab Sample ID: 460-235918-1

Date Collected: 06/04/21 07:50
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 84.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:55	1
Cr (III)	**16.2**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/09/21 16:24	06/09/21 16:31	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/09/21 16:19	06/09/21 16:27	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**15.5**		1.0	1.0	%			06/08/21 12:47	1
Percent Solids	**84.5**		1.0	1.0	%			06/08/21 12:47	1
Total Solids	**88.3**		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	**4.0**		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**10.3**	**H**			S.U.			06/07/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.4**				S.U.			06/08/21 13:00	1
Temperature	**24.5**				Degrees C			06/08/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**211**		10.0	10.0	mg/L			06/07/21 09:15	1

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 90.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Methylnaphthalene	**0.015**	**J**	0.36	0.010	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-26 (0-5)
Date Collected: 06/04/21 10:45
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-2
Matrix: Solid
Percent Solids: 90.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Acenaphthylene	0.36	U	0.36	0.0037	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzo[a]anthracene	**0.052**		0.036	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzo[a]pyrene	**0.059**		0.036	0.0097	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzo[b]fluoranthene	**0.093**		0.036	0.0094	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzo[g,h,i]perylene	**0.046**	**J**	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Benzo[k]fluoranthene	**0.036**		0.036	0.0071	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Bis(2-ethylhexyl) phthalate	**0.052**	**J**	0.36	0.019	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Chrysene	**0.054**	**J**	0.36	0.0062	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Dibenzofuran	0.36	U	0.36	0.0051	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Fluoranthene	**0.075**	**J**	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Fluorene	0.36	U	0.36	0.0049	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Indeno[1,2,3-cd]pyrene	**0.062**		0.036	0.014	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Naphthalene	**0.018**	**J**	0.36	0.0063	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Nitrobenzene	0.036	U	0.036	0.0088	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Phenanthrene	**0.043**	**J**	0.36	0.0064	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1

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Lab Sample ID: 460-235918-2
Matrix: Solid
Percent Solids: 90.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.067	J	0.36	0.0091	mg/Kg	☼	06/06/21 12:41	06/06/21 23:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*3.1*	*A J*	*mg/Kg*	☼	*2.19*		*06/06/21 12:41*	*06/06/21 23:32*	*1*
9-Octadecenamide, (Z)-	*0.49*	*J N*	*mg/Kg*	☼	*9.62*	*301-02-0*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
Unknown	*0.41*	*J*	*mg/Kg*	☼	*12.22*		*06/06/21 12:41*	*06/06/21 23:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*10 - 123*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
2-Fluorobiphenyl	*47*		*14 - 103*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 105*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
Nitrobenzene-d5 (Surr)	*48*		*11 - 104*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
Phenol-d5 (Surr)	*51*		*15 - 100*	*06/06/21 12:41*	*06/06/21 23:32*	*1*
Terphenyl-d14 (Surr)	*57*		*12 - 126*	*06/06/21 12:41*	*06/06/21 23:32*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/08/21 10:19	06/09/21 00:13	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/08/21 10:19	06/09/21 00:13	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/08/21 10:19	06/09/21 00:13	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/08/21 10:19	06/09/21 00:13	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/08/21 10:19	06/09/21 00:13	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/08/21 10:19	06/09/21 00:13	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/08/21 10:19	06/09/21 00:13	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/08/21 10:19	06/09/21 00:13	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/08/21 10:19	06/09/21 00:13	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/08/21 10:19	06/09/21 00:13	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/08/21 10:19	06/09/21 00:13	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/08/21 10:19	06/09/21 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*33 - 150*	*06/08/21 10:19*	*06/09/21 00:13*	*1*
2-Fluorobiphenyl	*74*		*42 - 127*	*06/08/21 10:19*	*06/09/21 00:13*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*06/08/21 10:19*	*06/09/21 00:13*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*06/08/21 10:19*	*06/09/21 00:13*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/08/21 10:19*	*06/09/21 00:13*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 150*	*06/08/21 10:19*	*06/09/21 00:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1

Client Sample ID: WC-26 (0-5)
Date Collected: 06/04/21 10:45
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-2
Matrix: Solid
Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/06/21 15:10	06/07/21 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*06/06/21 15:10*	*06/07/21 14:01*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*06/06/21 15:10*	*06/07/21 14:01*	*1*
Tetrachloro-m-xylene	*66*		*10 - 133*	*06/06/21 15:10*	*06/07/21 14:01*	*1*
Tetrachloro-m-xylene	*61*		*10 - 133*	*06/06/21 15:10*	*06/07/21 14:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:24	06/09/21 12:17	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:17	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:24	06/09/21 12:17	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:24	06/09/21 12:17	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:24	06/09/21 12:17	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:17	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:24	06/09/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:17*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:17*	*1*
Tetrachloro-m-xylene	*53*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:17*	*1*
Tetrachloro-m-xylene	*50*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1221	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1232	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1242	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1248	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1254	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1260	**1.5**		0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor-1262	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Aroclor 1268	0.15	U	0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2
Polychlorinated biphenyls, Total	**1.5**		0.15	0.020	mg/Kg	☼	06/06/21 15:07	06/09/21 12:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*37 - 150*	*06/06/21 15:07*	*06/09/21 12:48*	*2*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*06/06/21 15:07*	*06/09/21 12:48*	*2*
Tetrachloro-m-xylene	*78*		*54 - 150*	*06/06/21 15:07*	*06/09/21 12:48*	*2*
Tetrachloro-m-xylene	*86*		*54 - 150*	*06/06/21 15:07*	*06/09/21 12:48*	*2*

Client Sample ID: WC-26 (0-5)
Date Collected: 06/04/21 10:45
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-2
Matrix: Solid
Percent Solids: 90.8

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/07/21 23:57	06/09/21 13:01	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/07/21 23:57	06/09/21 13:01	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/07/21 23:57	06/09/21 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*06/07/21 23:57*	*06/09/21 13:01*	*1*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*06/07/21 23:57*	*06/09/21 13:01*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 08:06	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:06*	*1*
2,4-Dichlorophenylacetic acid	*95*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:06*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**140**		2.2	2.2	mg/Kg	☼	06/07/21 12:04	06/08/21 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*40 - 140*	*06/07/21 12:04*	*06/08/21 21:08*	*1*
1-Chlorooctadecane	*114*		*40 - 140*	*06/07/21 12:04*	*06/08/21 21:08*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 14:28	5
Barium	**0.25**	**J**	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 14:28	5
Cadmium	**0.0023**	**J**	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 14:28	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 14:28	5
Lead	**0.030**	**J**	0.050	0.012	mg/L		06/09/21 06:57	06/10/21 14:28	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 14:28	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 14:28	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7070**		20.8	2.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Antimony	**0.26**	**J**	1.0	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Arsenic	**2.8**		1.0	0.10	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Barium	**34.7**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Beryllium	**0.38**	**J**	0.42	0.059	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Cadmium	**0.18**	**J**	1.0	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Calcium	**2100**		104	17.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Chromium	**15.7**		2.1	0.18	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Cobalt	**6.3**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Copper	**29.4**		2.1	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Iron	**16400**		62.4	21.0	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Lead	**48.5**		0.62	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Magnesium	**2570**		104	10.6	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Manganese	**347**		4.2	0.42	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1

Client Sample ID: WC-26 (0-5)
Date Collected: 06/04/21 10:45
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-2
Matrix: Solid
Percent Solids: 90.8

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**15.6**		2.1	0.20	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Potassium	**1140**		104	11.6	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Selenium	**0.20**	**J**	1.3	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Silver	1.0	U	1.0	0.092	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Sodium	**676**		104	16.2	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Thallium	**0.069**	**J**	0.42	0.043	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Vanadium	**21.6**		2.1	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1
Zinc	**53.4**		8.3	2.4	mg/Kg	☼	06/10/21 05:18	06/10/21 14:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.018	0.0041	mg/Kg	☼	06/08/21 04:39	06/08/21 09:57	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.8**	**HF**			SU			06/10/21 11:41	1
Corrosivity	**9.8**	**HF**			SU			06/10/21 11:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	U	0.47	0.16	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	**0.33**		0.25	0.14	mg/Kg	☼	06/09/21 19:03	06/10/21 14:23	1
Oil & Grease	**553**	**J**	650	217	mg/Kg	☼	06/11/21 19:55	06/13/21 11:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**15.7**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/09/21 16:24	06/09/21 16:31	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/09/21 16:19	06/09/21 16:27	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1
Percent Moisture	**9.2**		1.0	1.0	%			06/08/21 12:47	1
Percent Solids	**90.8**		1.0	1.0	%			06/08/21 12:47	1
Total Solids	**91.0**		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	**2.1**		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.6**	**H**			S.U.			06/07/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/08/21 13:00	1
Temperature	**24.5**				Degrees C			06/08/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	**1.7**	**J**	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:57	1

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 90.8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	**223**		10.0	10.0	mg/L			06/07/21 14:19	1

Client Sample ID: WC-26C (1-3)
Lab Sample ID: 460-235918-3

Date Collected: 06/04/21 10:10
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
2-Hexanone	0.0063	U	0.0063	0.0022	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Bromoform	0.0013	U	0.0013	0.00053	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Carbon disulfide	0.0013	U	0.0013	0.00033	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chlorodibromomethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1

Client Sample ID: WC-26C (1-3)
Lab Sample ID: 460-235918-3

Date Collected: 06/04/21 10:10
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00033	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	06/05/21 16:21	06/07/21 15:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/05/21 16:21*	*06/07/21 15:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*06/05/21 16:21*	*06/07/21 15:08*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*06/05/21 16:21*	*06/07/21 15:08*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*06/05/21 16:21*	*06/07/21 15:08*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*06/05/21 16:21*	*06/07/21 15:08*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/09/21 19:29	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/09/21 19:29	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/09/21 19:29	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/09/21 19:29	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/09/21 19:29	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/09/21 19:29	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/09/21 19:29	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/09/21 19:29	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/09/21 19:29	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/09/21 19:29	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/09/21 19:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*06/09/21 19:29*	*10*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/09/21 19:29*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*06/09/21 19:29*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/09/21 19:29*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		1.0	1.0	%			06/08/21 12:47	1
Percent Solids	**92.7**		1.0	1.0	%			06/08/21 12:47	1

Client Sample ID: WCR-16 (0-8)
Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0047	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1

Client Sample ID: WCR-16 (0-8)
Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15
Matrix: Solid

Date Received: 06/04/21 18:00
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0064	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Chloronaphthalene	0.36	U	0.36	0.016	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Methylnaphthalene	**0.049**	**J**	0.36	0.010	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Acenaphthylene	**0.025**	**J**	0.36	0.0036	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Acetophenone	0.36	U	0.36	0.017	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Anthracene	**0.058**	**J**	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzo[a]anthracene	**0.26**		0.036	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzo[a]pyrene	**0.27**		0.036	0.0095	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzo[b]fluoranthene	**0.40**		0.036	0.0092	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzo[g,h,i]perylene	**0.19**	**J**	0.36	0.011	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Benzo[k]fluoranthene	**0.12**		0.036	0.0070	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Bis(2-ethylhexyl) phthalate	**0.052**	**J**	0.36	0.019	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Caprolactam	0.36	U	0.36	0.055	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Carbazole	**0.022**	**J**	0.36	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Chrysene	**0.29**	**J**	0.36	0.0060	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Dibenz(a,h)anthracene	**0.068**		0.036	0.015	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Dibenzofuran	**0.028**	**J**	0.36	0.0050	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Diethyl phthalate	**0.012**	**J**	0.36	0.0052	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1

Client Sample ID: WCR-16 (0-8)
Date Collected: 06/04/21 11:15
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-4
Matrix: Solid
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Fluoranthene	**0.42**		0.36	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Fluorene	**0.014**	**J**	0.36	0.0048	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Indeno[1,2,3-cd]pyrene	**0.21**		0.036	0.014	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Naphthalene	**0.051**	**J**	0.36	0.0062	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Phenanthrene	**0.24**	**J**	0.36	0.0063	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1
Pyrene	**0.37**		0.36	0.0089	mg/Kg	☼	06/06/21 12:41	06/08/21 02:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.1*	*A J*	*mg/Kg*	☼	*2.63*		*06/06/21 12:41*	*06/08/21 02:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*39*		*10 - 123*	*06/06/21 12:41*	*06/08/21 02:41*	*1*
2-Fluorobiphenyl	*39*		*14 - 103*	*06/06/21 12:41*	*06/08/21 02:41*	*1*
2-Fluorophenol (Surr)	*41*		*10 - 105*	*06/06/21 12:41*	*06/08/21 02:41*	*1*
Nitrobenzene-d5 (Surr)	*41*		*11 - 104*	*06/06/21 12:41*	*06/08/21 02:41*	*1*
Phenol-d5 (Surr)	*43*		*15 - 100*	*06/06/21 12:41*	*06/08/21 02:41*	*1*
Terphenyl-d14 (Surr)	*41*		*12 - 126*	*06/06/21 12:41*	*06/08/21 02:41*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/08/21 10:19	06/09/21 00:33	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/08/21 10:19	06/09/21 00:33	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/08/21 10:19	06/09/21 00:33	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/08/21 10:19	06/09/21 00:33	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/08/21 10:19	06/09/21 00:33	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/08/21 10:19	06/09/21 00:33	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/08/21 10:19	06/09/21 00:33	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/08/21 10:19	06/09/21 00:33	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/08/21 10:19	06/09/21 00:33	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/08/21 10:19	06/09/21 00:33	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/08/21 10:19	06/09/21 00:33	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/08/21 10:19	06/09/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*33 - 150*	*06/08/21 10:19*	*06/09/21 00:33*	*1*
2-Fluorobiphenyl	*70*		*42 - 127*	*06/08/21 10:19*	*06/09/21 00:33*	*1*
2-Fluorophenol (Surr)	*49*		*18 - 72*	*06/08/21 10:19*	*06/09/21 00:33*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*06/08/21 10:19*	*06/09/21 00:33*	*1*

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-16 (0-8)
Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*30*		*10 - 50*	*06/08/21 10:19*	*06/09/21 00:33*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 150*	*06/08/21 10:19*	*06/09/21 00:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	06/06/21 15:10	06/07/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*10 - 150*	*06/06/21 15:10*	*06/07/21 14:17*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*06/06/21 15:10*	*06/07/21 14:17*	*1*
Tetrachloro-m-xylene	*55*		*10 - 133*	*06/06/21 15:10*	*06/07/21 14:17*	*1*
Tetrachloro-m-xylene	*50*		*10 - 133*	*06/06/21 15:10*	*06/07/21 14:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:24	06/09/21 12:29	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:29	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:24	06/09/21 12:29	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:24	06/09/21 12:29	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:24	06/09/21 12:29	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 12:29	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:24	06/09/21 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:29*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:29*	*1*
Tetrachloro-m-xylene	*62*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:29*	*1*
Tetrachloro-m-xylene	*63*		*10 - 150*	*06/08/21 10:24*	*06/09/21 12:29*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-16 (0-8)
Date Collected: 06/04/21 11:15
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-4
Matrix: Solid
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1254	0.072	U	0.072	0.0099	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1260	**0.31**		0.072	0.0099	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor-1262	0.072	U	0.072	0.0099	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Aroclor 1268	0.072	U	0.072	0.0099	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1
Polychlorinated biphenyls, Total	**0.31**		0.072	0.0099	mg/Kg	☼	06/06/21 15:07	06/09/21 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*06/06/21 15:07*	*06/09/21 11:04*	*1*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*06/06/21 15:07*	*06/09/21 11:04*	*1*
Tetrachloro-m-xylene	*68*		*54 - 150*	*06/06/21 15:07*	*06/09/21 11:04*	*1*
Tetrachloro-m-xylene	*78*		*54 - 150*	*06/06/21 15:07*	*06/09/21 11:04*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0076	mg/Kg	☼	06/07/21 23:57	06/09/21 13:16	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/07/21 23:57	06/09/21 13:16	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0037	mg/Kg	☼	06/07/21 23:57	06/09/21 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*	*06/07/21 23:57*	*06/09/21 13:16*	*1*
2,4-Dichlorophenylacetic acid	*95*		*65 - 150*	*06/07/21 23:57*	*06/09/21 13:16*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 08:20	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*84*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:20*	*1*
2,4-Dichlorophenylacetic acid	*86*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:20*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**210**		4.3	4.3	mg/Kg	☼	06/07/21 12:04	06/08/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*40 - 140*	*06/07/21 12:04*	*06/08/21 21:23*	*1*
1-Chlorooctadecane	*98*		*40 - 140*	*06/07/21 12:04*	*06/08/21 21:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 14:40	5
Barium	**0.61**	**J**	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 14:40	5
Cadmium	**0.0060**	**J**	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 14:40	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 14:40	5
Lead	**0.28**		0.050	0.012	mg/L		06/09/21 06:57	06/10/21 14:40	5

Client Sample ID: WCR-16 (0-8)
Date Collected: 06/04/21 11:15
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-4
Matrix: Solid
Percent Solids: 92.8

Method: 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 14:40	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 14:40	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5740**		20.9	2.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Antimony	**1.7**		1.0	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Arsenic	**13.9**		1.0	0.10	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Barium	**76.7**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Beryllium	**0.31**	**J**	0.42	0.060	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Cadmium	**0.51**	**J**	1.0	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Calcium	**5040**		105	17.8	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Chromium	**12.9**		2.1	0.18	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Cobalt	**5.5**		2.1	0.15	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Copper	**71.4**		2.1	0.23	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Iron	**17900**		62.7	21.1	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Lead	**319**		0.63	0.21	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Magnesium	**2320**		105	10.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Manganese	**331**		4.2	0.42	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Nickel	**13.5**		2.1	0.20	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Potassium	**913**		105	11.7	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Selenium	**0.54**	**J**	1.3	0.12	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Silver	**0.16**	**J**	1.0	0.093	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Sodium	**869**		105	16.3	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Thallium	**0.26**	**J**	0.42	0.043	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Vanadium	**22.4**		2.1	0.22	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1
Zinc	**310**		8.4	2.4	mg/Kg	☼	06/10/21 05:18	06/10/21 14:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.018	0.0042	mg/Kg	☼	06/08/21 04:39	06/08/21 09:59	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**			SU			06/10/21 11:43	1
Corrosivity	**8.2**	**HF**			SU			06/10/21 11:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	06/10/21 18:33	06/11/21 00:04	1
Cyanide, Total	**0.18**	**J**	0.23	0.13	mg/Kg	☼	06/09/21 19:03	06/10/21 14:24	1
Oil & Grease	**1030**		636	212	mg/Kg	☼	06/11/21 19:55	06/13/21 11:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**12.9**		2.0	2.0	mg/Kg			06/11/21 06:50	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/09/21 16:24	06/09/21 16:31	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/09/21 16:19	06/09/21 16:27	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/09/21 11:17	1

Client Sample ID: WCR-16 (0-8)
Lab Sample ID: 460-235918-4
Date Collected: 06/04/21 11:15
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.2		1.0	1.0	%			06/08/21 12:47	1
Percent Solids	92.8		1.0	1.0	%			06/08/21 12:47	1
Total Solids	105		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	6.7		0.10	0.10	%			06/07/21 08:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.2	H			S.U.			06/07/21 13:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			06/08/21 13:00	1
Temperature	24.5				Degrees C			06/08/21 13:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/15/21 17:25	1
Ammonia	0.084	J	0.10	0.050	mg/L			06/14/21 17:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1
Total Solids	273		10.0	10.0	mg/L			06/07/21 14:19	1

Client Sample ID: WCR-16B (3-5)
Lab Sample ID: 460-235918-5
Date Collected: 06/04/21 11:20
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00068	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00063	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
2-Butanone (MEK)	0.0074	U	0.0074	0.00054	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
2-Hexanone	0.0074	U	0.0074	0.0025	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
4-Methyl-2-pentanone (MIBK)	0.0074	U	0.0074	0.0023	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Acetone	0.0089	U	0.0089	0.0085	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Benzene	0.0015	U	0.0015	0.00038	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Bromoform	0.0015	U	0.0015	0.00063	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Carbon disulfide	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-16B (3-5)
Date Collected: 06/04/21 11:20
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-5
Matrix: Solid
Percent Solids: 92.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0015	U	0.0015	0.00057	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chloroethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chloroform	**0.0014**	**J**	0.0015	0.0014	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Chloromethane	0.0015	U	0.0015	0.00064	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00053	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Dichlorobromomethane	0.0015	U	0.0015	0.00038	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00050	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Ethylbenzene	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Isopropylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Methyl acetate	0.0074	U	0.0074	0.0064	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00076	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Methylcyclohexane	0.0015	U	0.0015	0.00074	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Styrene	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Tetrachloroethene	0.0015	U	0.0015	0.00045	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Trichloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00060	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1
Vinyl chloride	0.0015	U	0.0015	0.00081	mg/Kg	☼	06/05/21 16:24	06/07/21 15:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/05/21 16:24*	*06/07/21 15:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*	*06/05/21 16:24*	*06/07/21 15:31*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/05/21 16:24*	*06/07/21 15:31*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*06/05/21 16:24*	*06/07/21 15:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/05/21 16:24*	*06/07/21 15:31*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 03:32	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 03:32	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 03:32	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 03:32	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 03:32	10
Carbon tetrachloride	0.010	U *	0.010	0.0021	mg/L			06/10/21 03:32	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 03:32	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 03:32	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 03:32	10

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-16B (3-5)
Lab Sample ID: 460-235918-5
Date Collected: 06/04/21 11:20
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.7

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 03:32	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 03:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/10/21 03:32*	*10*
4-Bromofluorobenzene	*99*		*76 - 120*		*06/10/21 03:32*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/10/21 03:32*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/21 03:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		1.0	1.0	%			06/08/21 12:47	1
Percent Solids	**92.7**		1.0	1.0	%			06/08/21 12:47	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-235626-2	WCR-13C (6-8)	97	101	104	98
460-235626-3	WCR-14C (1-3)	100	107	106	103
460-235697-1	WCR-15B (6-8)	102	97	100	97
460-235697-4	WC-24B (1-3)	107	100	99	98
460-235812-1	WC-23C (13-15)	108	103	116	98
460-235812-2	WC-23A (6-8)	110	104	116	100
460-235812-3	WCR-17B (1-3)	110	101	115	100
460-235812-4	WC-23D (1-3)	112	103	112	100
460-235918-3	WC-26C (1-3)	104	107	108	104
460-235918-5	WCR-16B (3-5)	93	100	102	98
LB3 460-781840/1-A	Method Blank	77	84	83	77 *
LB3 460-781912/1-A	Method Blank	110	100	112	99
LB3 460-782273/1-A	Method Blank	108	104	114	99
LB3 460-782513/1-A	Method Blank	95	101	101	102
LCS 460-782061/3	Lab Control Sample	96	102	101	98
LCS 460-782317/4	Lab Control Sample	117	108	112	106
LCS 460-782319/3	Lab Control Sample	103	105	104	110
LCS 460-782408/4	Lab Control Sample	114	102	109	101
LCS 460-782409/3	Lab Control Sample	99	102	100	104
LCS 460-782657/3	Lab Control Sample	94	96	99	96
LCSD 460-782061/4	Lab Control Sample Dup	100	103	107	99
LCSD 460-782317/5	Lab Control Sample Dup	113	102	107	101
LCSD 460-782319/4	Lab Control Sample Dup	99	104	102	104
LCSD 460-782408/13	Lab Control Sample Dup	112	102	111	100
LCSD 460-782409/4	Lab Control Sample Dup	104	107	111	112
LCSD 460-782657/4	Lab Control Sample Dup	95	98	102	99
MB 460-782061/7	Method Blank	96	99	100	91
MB 460-782317/8	Method Blank	114	99	111	97
MB 460-782319/8	Method Blank	108	108	105	102
MB 460-782408/7	Method Blank	112	104	116	97
MB 460-782409/7	Method Blank	97	100	101	96
MB 460-782657/7	Method Blank	100	100	107	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-782178/4	Lab Control Sample	91	90	94	91
LCS 460-782671/4	Lab Control Sample	106	106	115	99
LCS 460-782801/4	Lab Control Sample	105	91	106	95
LCS 460-783157/3	Lab Control Sample	98	103	100	101
LCS 460-783311/4	Lab Control Sample	90	100	97	95

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCSD 460-782178/5	Lab Control Sample Dup	93	94	95	95
LCSD 460-782671/5	Lab Control Sample Dup	109	112	115	99
LCSD 460-782801/5	Lab Control Sample Dup	105	93	107	96
LCSD 460-783157/4	Lab Control Sample Dup	100	102	101	100
LCSD 460-783311/5	Lab Control Sample Dup	93	104	103	95
MB 460-782178/9	Method Blank	94	92	96	92
MB 460-782671/9	Method Blank	105	109	116	97
MB 460-782801/10	Method Blank	105	88	107	95
MB 460-783157/8	Method Blank	97	104	101	100
MB 460-783311/10	Method Blank	95	101	104	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-235626-2	WCR-13C (6-8)	107	103	117	100
460-235626-3	WCR-14C (1-3)	104	110	116	97
460-235697-1	WCR-15B (6-8)	106	99	119	101
460-235697-4	WC-24B (1-3)	107	101	118	100
460-235812-1	WC-23C (13-15)	98	109	102	102
460-235812-2	WC-23A (6-8)	99	106	103	102
460-235812-3	WCR-17B (1-3)	105	105	111	111
460-235812-4	WC-23D (1-3)	98	112	102	103
460-235918-3	WC-26C (1-3)	100	103	105	101
460-235918-5	WCR-16B (3-5)	96	99	104	97
LB 460-781952/1-A	Method Blank	92	86	94	88
LB 460-782517/1-A	Method Blank	109	87	107	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-235313-A-9-A MS	Matrix Spike	92	85	80	79	81	97
460-235313-A-9-B MSD	Matrix Spike Duplicate	92	83	81	80	82	94
460-235626-1	WCR-13 (0-8)	75	74	73	72	73	81
460-235626-4	WCR-14 (0-8)	73	72	73	72	72	83

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-235634-A-5-A MS	Matrix Spike	65	61	61	59	63	68
460-235634-A-5-B MSD	Matrix Spike Duplicate	68	63	61	61	65	69
460-235670-A-1-A MS	Matrix Spike	112	78	62	78	69	95
460-235670-A-1-B MSD	Matrix Spike Duplicate	116	74	60	74	68	93
460-235697-2	WCR-15 (0-8)	102	75	55	70	63	94
460-235697-3	WC-24 (0-5)	107	68	51	64	61	92
460-235812-5	WC-23 (0-5)	88	84	84	81	84	99
460-235812-6	WC-23_WC-24 (10-18)	83	78	79	73	79	93
460-235812-7	WC-23_WC-24 (5-10)	83	79	80	77	79	97
460-235918-1	WCR-17 (0-8)	28	42	45	45	48	42
460-235918-2	WC-26 (0-5)	47	47	52	48	51	57
460-235918-4	WCR-16 (0-8)	39	39	41	41	43	41
460-235930-E-4-A MS	Matrix Spike	71	51	68	54	74	53
460-235930-E-4-B MSD	Matrix Spike Duplicate	46	40	44	42	46	43
LCS 460-781877/2-A	Lab Control Sample	70	65	67	67	68	72
LCS 460-782252/2-A	Lab Control Sample	125 *	90	76	90	81	103
LCS 460-782381/2-A	Lab Control Sample	97	88	89	86	90	101
LCS 460-782579/2-A	Lab Control Sample	82	73	75	72	75	85
LCSD 460-781877/3-A	Lab Control Sample Dup	69	64	68	67	68	74
LCSD 460-782252/3-A	Lab Control Sample Dup	131 *	92	77	94	85	109
LCSD 460-782381/3-A	Lab Control Sample Dup	107	99	100	95	98	110
LCSD 460-782579/3-A	Lab Control Sample Dup	76	72	72	70	73	79
MB 460-781877/1-A	Method Blank	69	67	70	68	68	77
MB 460-782252/1-A	Method Blank	121	89	76	88	80	114
MB 460-782381/1-A	Method Blank	90	89	89	87	87	101
MB 460-782579/1-A	Method Blank	77	73	76	74	75	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
LCS 460-782553/2-A	Lab Control Sample	87	91	47	95	33	104
LCS 460-782712/2-A	Lab Control Sample	92	102	66	110	40	124
LCS 460-782951/2-A	Lab Control Sample	101	98	50	94	33	91
LCSD 460-782553/3-A	Lab Control Sample Dup	93	88	48	94	33	108
LCSD 460-782712/3-A	Lab Control Sample Dup	89	103	65	111	41	123
LCSD 460-782951/3-A	Lab Control Sample Dup	101	96	52	94	34	90
MB 460-782553/1-A	Method Blank	83	98	54	95	34	123
MB 460-782712/1-A	Method Blank	102	113	70	124	43	139
MB 460-782951/1-A	Method Blank	77	80	59	84	50	123

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-150)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
460-235626-1	WCR-13 (0-8)	75	66	47	76	28	110
460-235626-4	WCR-14 (0-8)	72	77	48	87	28	104
460-235697-2	WCR-15 (0-8)	68	65	47	88	28	104
460-235697-3	WC-24 (0-5)	54	70	43	74	27	91
460-235812-5	WC-23 (0-5)	77	70	51	93	31	97
460-235812-6	WC-23_WC-24 (10-18)	78	69	50	94	29	108
460-235812-7	WC-23_WC-24 (5-10)	77	70	52	92	31	102
460-235918-1	WCR-17 (0-8)	74	64	43	86	27	85
460-235918-2	WC-26 (0-5)	92	74	45	91	27	97
460-235918-4	WCR-16 (0-8)	80	70	49	90	30	91
LB 460-782374/1-E	Method Blank	87	91	53	98	30	119
LB 460-782633/1-B	Method Blank	78	62	47	91	29	122
LB 460-782828/1-B	Method Blank	92	73	45	93	27	117

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-133)	TCX2 (10-133)
460-235626-1	WCR-13 (0-8)	90	91	89	92
460-235626-4	WCR-14 (0-8)	88	79	83	87
460-235648-D-1-E MS	Matrix Spike	218 *	113	95	92
460-235648-D-1-F MSD	Matrix Spike Duplicate	269 *	114	87	86
460-235697-2	WCR-15 (0-8)	111	115	101	106
460-235697-3	WC-24 (0-5)	117	168 *	99	115
460-235812-5	WC-23 (0-5)	74	73	54	63
460-235812-6	WC-23_WC-24 (10-18)	81	77	58	63
460-235812-7	WC-23_WC-24 (5-10)	72	77	55	58
460-235916-B-1-E MS	Matrix Spike	101	85	80	80
460-235916-B-1-F MSD	Matrix Spike Duplicate	94	90	76	82
460-235918-1	WCR-17 (0-8)	77	78	73	82
460-235918-2	WC-26 (0-5)	70	70	61	66
460-235918-4	WCR-16 (0-8)	58	52	50	55
LCS 460-781873/2-A	Lab Control Sample	99	101	84	87

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-133)	(10-133)
LCS 460-782095/2-A	Lab Control Sample	94	90	88	86
LCS 460-782510/2-A	Lab Control Sample	87	93	68	91
LCS 460-782592/2-A	Lab Control Sample	81	70	77	78
LCSD 460-781873/3-A	Lab Control Sample Dup	100	101	91	91
LCSD 460-782095/3-A	Lab Control Sample Dup	95	96	90	86
LCSD 460-782510/3-A	Lab Control Sample Dup	85	85	70	72
LCSD 460-782592/3-A	Lab Control Sample Dup	82	69	76	78
MB 460-781873/1-A	Method Blank	117	116	104	103
MB 460-782095/1-A	Method Blank	103	102	93	97
MB 460-782510/1-A	Method Blank	101	112	88	99
MB 460-782592/1-A	Method Blank	96	81	83	81

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
LCS 460-782464/2-A	Lab Control Sample	82	68	81	81
LCS 460-782716/2-A	Lab Control Sample	82	67	81	77
LCS 460-782953/2-A	Lab Control Sample	94	96	92	84
LCSD 460-782464/3-A	Lab Control Sample Dup	82	66	82	78
LCSD 460-782716/3-A	Lab Control Sample Dup	83	66	80	77
LCSD 460-782953/3-A	Lab Control Sample Dup	94	93	93	82
MB 460-782464/1-A	Method Blank	86	75	87	85
MB 460-782716/1-A	Method Blank	86	73	80	79
MB 460-782953/1-A	Method Blank	98	94	91	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
460-235626-1	WCR-13 (0-8)	93	77	69	67
460-235626-4	WCR-14 (0-8)	99	81	72	70
460-235697-2	WCR-15 (0-8)	67	57	62	61
460-235697-3	WC-24 (0-5)	90	77	67	65
460-235812-5	WC-23 (0-5)	79	68	73	64
460-235812-6	WC-23_WC-24 (10-18)	78	63	66	62
460-235812-7	WC-23_WC-24 (5-10)	80	67	60	58
460-235918-1	WCR-17 (0-8)	61	62	47	49
460-235918-2	WC-26 (0-5)	84	90	50	53
460-235918-4	WCR-16 (0-8)	72	66	63	62

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)
LB 460-782374/1-B	Method Blank	97	78	67	65
LB 460-782633/1-C	Method Blank	70	59	61	59
LB 460-782828/1-C	Method Blank	87	82	53	52

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-235626-1	WCR-13 (0-8)	104	100	107	97
460-235626-4	WCR-14 (0-8)	93	93	94	81
460-235634-E-5-A MS	Matrix Spike	92	93	100	91
460-235634-E-5-B MSD	Matrix Spike Duplicate	94	96	102	94
460-235648-D-1-B MS	Matrix Spike	123	81	70	70
460-235648-D-1-C MSD	Matrix Spike Duplicate	139	117	77	77
460-235697-2	WCR-15 (0-8)	93	89	100	103
460-235697-3	WC-24 (0-5)	110	109	92	89
460-235812-5	WC-23 (0-5)	74	114	80	72
460-235812-6	WC-23_WC-24 (10-18)	97	92	92	83
460-235812-7	WC-23_WC-24 (5-10)	102	99	95	85
460-235918-1	WCR-17 (0-8)	124	126	115	101
460-235918-2	WC-26 (0-5)	101	87	86	78
460-235918-4	WCR-16 (0-8)	96	91	78	68
LCS 460-781872/2-A	Lab Control Sample	104	100	108	94
LCS 460-782091/2-A	Lab Control Sample	80	81	84	86
LCS 460-782504/2-A	Lab Control Sample	94	88	91	73
LCS 460-782591/2-A	Lab Control Sample	121	114	121	107
LCSD 460-781872/3-A	Lab Control Sample Dup	115	111	120	108
LCSD 460-782091/3-A	Lab Control Sample Dup	80	83	87	88
LCSD 460-782504/3-A	Lab Control Sample Dup	92	88	91	74
LCSD 460-782591/3-A	Lab Control Sample Dup	125	118	124	110
MB 460-781872/1-A	Method Blank	143	148	128	123
MB 460-782091/1-A	Method Blank	93	84	93	90
MB 460-782504/1-A	Method Blank	128	121	99	98
MB 460-782591/1-A	Method Blank	141	145	105	107

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(65-150)	(65-150)
460-235549-A-1-B MS	Matrix Spike	65	136

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (65-150)	DCPAA2 (65-150)
460-235549-A-1-C MSD	Matrix Spike Duplicate	67	128
460-235626-1	WCR-13 (0-8)	82	85
460-235626-4	WCR-14 (0-8)	88	92
460-235697-2	WCR-15 (0-8)	81	87
460-235697-3	WC-24 (0-5)	85	94
460-235744-A-1-D MS	Matrix Spike	121	100
460-235744-A-1-E MSD	Matrix Spike Duplicate	127	104
460-235812-5	WC-23 (0-5)	119	92
460-235812-6	WC-23_WC-24 (10-18)	108	94
460-235812-7	WC-23_WC-24 (5-10)	116	102
460-235894-A-1-D MSD	Matrix Spike Duplicate	74	90
460-235894-B-1-G MS	Matrix Spike	78	101
460-235918-1	WCR-17 (0-8)	82	99
460-235918-2	WC-26 (0-5)	82	86
460-235918-4	WCR-16 (0-8)	102	95
LCS 460-782393/2-A	Lab Control Sample	99	100
LCS 460-782394/2-A	Lab Control Sample	120	110
LCS 460-782854/2-A	Lab Control Sample	103	100
LCSD 460-782393/3-A	Lab Control Sample Dup	100	101
LCSD 460-782394/3-A	Lab Control Sample Dup	123	113
LCSD 460-782854/3-A	Lab Control Sample Dup	104	102
MB 460-782393/1-A	Method Blank	81	84
MB 460-782394/1-A	Method Blank	113	109
MB 460-782854/1-A	Method Blank	90	90

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
LCS 460-782588/2-A	Lab Control Sample	75	77
LCS 460-782853/2-A	Lab Control Sample	120	108
LCS 460-782992/2-A	Lab Control Sample	108	100
LCSD 460-782588/3-A	Lab Control Sample Dup	74	78
LCSD 460-782853/3-A	Lab Control Sample Dup	120	109
LCSD 460-782992/3-A	Lab Control Sample Dup	108	101
MB 460-782588/1-A	Method Blank	67	69
MB 460-782853/1-A	Method Blank	127	116
MB 460-782992/1-A	Method Blank	118	110

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (28-150)	DCPAA2 (28-150)
460-235626-1	WCR-13 (0-8)	92	80
460-235626-4	WCR-14 (0-8)	111	87
460-235697-2	WCR-15 (0-8)	89	80
460-235697-3	WC-24 (0-5)	105	80
460-235812-5	WC-23 (0-5)	93	84
460-235812-6	WC-23_WC-24 (10-18)	85	77
460-235812-7	WC-23_WC-24 (5-10)	88	79
460-235918-1	WCR-17 (0-8)	98	87
460-235918-2	WC-26 (0-5)	95	85
460-235918-4	WCR-16 (0-8)	86	84
LB 460-782374/1-F	Method Blank	64	77
LB 460-782633/1-E	Method Blank	116	105
LB 460-782828/1-E	Method Blank	94	82

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	1COD1 (40-140)
460-235626-1	WCR-13 (0-8)	102	84
460-235626-1 MS	WCR-13 (0-8)	109	116
460-235626-1 MSD	WCR-13 (0-8)	100	128
460-235626-4	WCR-14 (0-8)	109	94
460-235697-2	WCR-15 (0-8)	92	115
460-235697-3	WC-24 (0-5)	99	86
460-235812-5	WC-23 (0-5)	107	102
460-235812-6	WC-23_WC-24 (10-18)	108	102
460-235812-7	WC-23_WC-24 (5-10)	109	99
460-235918-1	WCR-17 (0-8)	91	109
460-235918-2	WC-26 (0-5)	96	114
460-235918-4	WCR-16 (0-8)	78	98
LCS 460-782005/2-A	Lab Control Sample	89	92
LCS 460-782728/2-A	Lab Control Sample	80	134
LCS 460-782731/2-A	Lab Control Sample	90	101
LCSD 460-782005/3-A	Lab Control Sample Dup	95	113
LCSD 460-782728/3-A	Lab Control Sample Dup	87	133
LCSD 460-782731/3-A	Lab Control Sample Dup	88	101
MB 460-782005/1-A	Method Blank	103	77
MB 460-782728/1-A	Method Blank	110	120
MB 460-782731/1-A	Method Blank	100	81

Surrogate Legend

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-781840/1-A
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781840

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 16:15	06/03/21 21:33	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-781840/1-A
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781840

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/02/21 16:15	06/03/21 21:33	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/02/21 16:15	06/03/21 21:33	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/02/21 16:15*	*06/03/21 21:33*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*77 - 145*	*06/02/21 16:15*	*06/03/21 21:33*	*1*
4-Bromofluorobenzene	*84*		*70 - 139*	*06/02/21 16:15*	*06/03/21 21:33*	*1*
Dibromofluoromethane (Surr)	*83*		*48 - 150*	*06/02/21 16:15*	*06/03/21 21:33*	*1*
Toluene-d8 (Surr)	*77*	*	*80 - 120*	*06/02/21 16:15*	*06/03/21 21:33*	*1*

Lab Sample ID: LB3 460-781912/1-A
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781912

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/02/21 23:19	06/04/21 23:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-781912/1-A
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781912

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/02/21 23:19	06/04/21 23:14	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/02/21 23:19	06/04/21 23:14	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/02/21 23:19*	*06/04/21 23:14*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*06/02/21 23:19*	*06/04/21 23:14*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/02/21 23:19*	*06/04/21 23:14*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*	*06/02/21 23:19*	*06/04/21 23:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/02/21 23:19*	*06/04/21 23:14*	*1*

Lab Sample ID: MB 460-782061/7
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/03/21 18:46	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/03/21 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/03/21 18:46	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/03/21 18:46	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/03/21 18:46	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/03/21 18:46	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/03/21 18:46	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/03/21 18:46	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/03/21 18:46	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/03/21 18:46	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/03/21 18:46	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/03/21 18:46	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782061/7
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/03/21 18:46	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/03/21 18:46	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/03/21 18:46	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/03/21 18:46	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/03/21 18:46	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/03/21 18:46	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/03/21 18:46	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/03/21 18:46	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/03/21 18:46	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/03/21 18:46	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/03/21 18:46	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/03/21 18:46	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/03/21 18:46	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/03/21 18:46	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/03/21 18:46	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/03/21 18:46	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/03/21 18:46	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/03/21 18:46	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/03/21 18:46	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/03/21 18:46	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/03/21 18:46	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/03/21 18:46	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/03/21 18:46	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/03/21 18:46	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/03/21 18:46	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/03/21 18:46	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/03/21 18:46	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/03/21 18:46	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/03/21 18:46	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/03/21 18:46	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/03/21 18:46	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/03/21 18:46	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/03/21 18:46	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/03/21 18:46	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/03/21 18:46	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/03/21 18:46	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/03/21 18:46	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/03/21 18:46	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/03/21 18:46	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/03/21 18:46*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*		*06/03/21 18:46*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*		*06/03/21 18:46*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*06/03/21 18:46*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/03/21 18:46*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 460-782061/3
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0199		mg/Kg		100	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0189		mg/Kg		95	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0220		mg/Kg		110	78 - 136
1,1,2-Trichloroethane	0.0200	0.0194		mg/Kg		97	75 - 120
1,1-Dichloroethane	0.0200	0.0203		mg/Kg		102	76 - 129
1,1-Dichloroethene	0.0200	0.0211		mg/Kg		106	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0196		mg/Kg		98	60 - 126
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 132
1,2-Dichloropropane	0.0200	0.0191		mg/Kg		96	73 - 124
1,3-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
2-Butanone (MEK)	0.100	0.0917		mg/Kg		92	75 - 120
2-Hexanone	0.100	0.0919		mg/Kg		92	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0929		mg/Kg		93	80 - 122
Acetone	0.100	0.0822		mg/Kg		82	63 - 131
Benzene	0.0200	0.0197		mg/Kg		99	80 - 123
Bromoform	0.0200	0.0193		mg/Kg		96	48 - 142
Bromomethane	0.0200	0.0309	*	mg/Kg		155	46 - 150
Carbon disulfide	0.0200	0.0215		mg/Kg		108	67 - 136
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	72 - 136
Chlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0196		mg/Kg		98	62 - 128
Chloroethane	0.0200	0.0227		mg/Kg		114	49 - 150
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126
Chloromethane	0.0200	0.0207		mg/Kg		103	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		101	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		96	72 - 120
Cyclohexane	0.0200	0.0210		mg/Kg		105	80 - 132
Dichlorobromomethane	0.0200	0.0193		mg/Kg		96	73 - 124
Dichlorodifluoromethane	0.0200	0.0193		mg/Kg		96	40 - 146
Ethylbenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Ethylene Dibromide	0.0200	0.0195		mg/Kg		97	79 - 120
Isopropylbenzene	0.0200	0.0195		mg/Kg		98	80 - 120
Methyl acetate	0.0400	0.0402		mg/Kg		100	58 - 143
Methyl tert-butyl ether	0.0200	0.0201		mg/Kg		100	80 - 125
Methylcyclohexane	0.0200	0.0203		mg/Kg		101	79 - 133
Methylene Chloride	0.0200	0.0203		mg/Kg		101	76 - 127
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120
o-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120
Styrene	0.0200	0.0197		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	78 - 123
Toluene	0.0200	0.0195		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		95	68 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782061/3
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0198		mg/Kg		99	79 - 120
Trichlorofluoromethane	0.0200	0.0217		mg/Kg		109	67 - 142
Vinyl chloride	0.0200	0.0226		mg/Kg		113	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*101*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-782061/4
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0211		mg/Kg		105	78 - 132	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0187		mg/Kg		94	69 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0230		mg/Kg		115	78 - 136	5	30
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0215		mg/Kg		107	76 - 129	6	30
1,1-Dichloroethene	0.0200	0.0224		mg/Kg		112	77 - 132	6	30
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	65 - 144	2	30
1,2,4-Trichlorobenzene	0.0200	0.0195		mg/Kg		98	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	60 - 126	4	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0200		mg/Kg		100	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0206		mg/Kg		103	73 - 124	8	30
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	1	30
2-Butanone (MEK)	0.100	0.0950		mg/Kg		95	75 - 120	3	30
2-Hexanone	0.100	0.0934		mg/Kg		93	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0953		mg/Kg		95	80 - 122	3	30
Acetone	0.100	0.0843		mg/Kg		84	63 - 131	3	30
Benzene	0.0200	0.0200		mg/Kg		100	80 - 123	1	30
Bromoform	0.0200	0.0186		mg/Kg		93	48 - 142	4	30
Bromomethane	0.0200	0.0321	*	mg/Kg		160	46 - 150	4	30
Carbon disulfide	0.0200	0.0228		mg/Kg		114	67 - 136	6	30
Carbon tetrachloride	0.0200	0.0211		mg/Kg		106	72 - 136	6	30
Chlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	2	30
Chlorobromomethane	0.0200	0.0215		mg/Kg		108	76 - 127	4	30
Chlorodibromomethane	0.0200	0.0195		mg/Kg		97	62 - 128	1	30
Chloroethane	0.0200	0.0227		mg/Kg		113	49 - 150	0	30
Chloroform	0.0200	0.0209		mg/Kg		105	79 - 126	5	30
Chloromethane	0.0200	0.0205		mg/Kg		102	48 - 150	1	30
cis-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	80 - 123	6	30
cis-1,3-Dichloropropene	0.0200	0.0193		mg/Kg		96	72 - 120	1	30
Cyclohexane	0.0200	0.0220		mg/Kg		110	80 - 132	4	30
Dichlorobromomethane	0.0200	0.0198		mg/Kg		99	73 - 124	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782061/4
Matrix: Solid
Analysis Batch: 782061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	0.0200	0.0192		mg/Kg		96	40 - 146	0	30
Ethylbenzene	0.0200	0.0202		mg/Kg		101	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120	2	30
Isopropylbenzene	0.0200	0.0199		mg/Kg		99	80 - 120	2	30
Methyl acetate	0.0400	0.0406		mg/Kg		101	58 - 143	1	30
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		104	80 - 125	3	30
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	79 - 133	2	30
Methylene Chloride	0.0200	0.0216		mg/Kg		108	76 - 127	6	30
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120	2	30
o-Xylene	0.0200	0.0202		mg/Kg		101	80 - 120	4	30
Styrene	0.0200	0.0201		mg/Kg		101	80 - 120	2	30
Tetrachloroethene	0.0200	0.0197		mg/Kg		99	78 - 123	1	30
Toluene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	78 - 128	5	30
trans-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		94	68 - 120	1	30
Trichloroethene	0.0200	0.0205		mg/Kg		103	79 - 120	4	30
Trichlorofluoromethane	0.0200	0.0216		mg/Kg		108	67 - 142	1	30
Vinyl chloride	0.0200	0.0226		mg/Kg		113	56 - 147	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*107*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-782178/9
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/04/21 09:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/04/21 09:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/04/21 09:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/04/21 09:05	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/04/21 09:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/04/21 09:05	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/04/21 09:05	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/04/21 09:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/04/21 09:05	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/04/21 09:05	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/04/21 09:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/04/21 09:05*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/04/21 09:05*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/04/21 09:05*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/04/21 09:05*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782178/4
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0197		mg/L		99	68 - 133		
1,2-Dichloroethane			0.0200	0.0190		mg/L		95	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0191		mg/L		95	80 - 118		
2-Butanone (MEK)			0.100	0.0923		mg/L		92	69 - 128		
Benzene			0.0200	0.0200		mg/L		100	78 - 126		
Carbon tetrachloride			0.0200	0.0197		mg/L		99	56 - 131		
Chlorobenzene			0.0200	0.0197		mg/L		99	80 - 119		
Chloroform			0.0200	0.0198		mg/L		99	78 - 125		
Tetrachloroethene			0.0200	0.0192		mg/L		96	70 - 127		
Trichloroethene			0.0200	0.0192		mg/L		96	71 - 121		
Vinyl chloride			0.0200	0.0196		mg/L		98	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*90*		*76 - 120*
Dibromofluoromethane (Surr)	*94*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: LCSD 460-782178/5
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0206		mg/L		103	68 - 133	4	30
1,2-Dichloroethane			0.0200	0.0190		mg/L		95	75 - 121	0	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/L		99	80 - 118	4	30
2-Butanone (MEK)			0.100	0.0963		mg/L		96	69 - 128	4	30
Benzene			0.0200	0.0199		mg/L		99	78 - 126	1	30
Carbon tetrachloride			0.0200	0.0203		mg/L		101	56 - 131	3	30
Chlorobenzene			0.0200	0.0201		mg/L		100	80 - 119	2	30
Chloroform			0.0200	0.0204		mg/L		102	78 - 125	3	30
Tetrachloroethene			0.0200	0.0196		mg/L		98	70 - 127	2	30
Trichloroethene			0.0200	0.0195		mg/L		97	71 - 121	2	30
Vinyl chloride			0.0200	0.0207		mg/L		103	61 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LB3 460-782273/1-A
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782273

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/04/21 10:45	06/05/21 08:05	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-782273/1-A
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782273

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/04/21 10:45	06/05/21 08:05	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/04/21 10:45	06/05/21 08:05	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	LB3 Est. Result	LB3 Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg				06/04/21 10:45	06/05/21 08:05	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 145	06/04/21 10:45	06/05/21 08:05	1
4-Bromofluorobenzene	104		70 - 139	06/04/21 10:45	06/05/21 08:05	1
Dibromofluoromethane (Surr)	114		48 - 150	06/04/21 10:45	06/05/21 08:05	1
Toluene-d8 (Surr)	99		80 - 120	06/04/21 10:45	06/05/21 08:05	1

Lab Sample ID: MB 460-782317/8
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 19:31	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/04/21 19:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/04/21 19:31	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 19:31	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/04/21 19:31	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 19:31	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 19:31	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 19:31	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/04/21 19:31	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 19:31	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/04/21 19:31	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/04/21 19:31	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/04/21 19:31	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 19:31	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/04/21 19:31	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/04/21 19:31	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/04/21 19:31	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/04/21 19:31	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/04/21 19:31	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/04/21 19:31	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/04/21 19:31	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 19:31	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/04/21 19:31	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 19:31	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/04/21 19:31	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/04/21 19:31	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/04/21 19:31	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/04/21 19:31	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/04/21 19:31	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 19:31	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 19:31	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/04/21 19:31	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/04/21 19:31	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/04/21 19:31	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/04/21 19:31	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 19:31	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/04/21 19:31	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/04/21 19:31	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782317/8
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/04/21 19:31	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/04/21 19:31	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/04/21 19:31	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/04/21 19:31	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/04/21 19:31	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/04/21 19:31	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/04/21 19:31	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 19:31	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/04/21 19:31	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 19:31	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/04/21 19:31	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/04/21 19:31	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/04/21 19:31	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/04/21 19:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*		*06/04/21 19:31*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*		*06/04/21 19:31*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*		*06/04/21 19:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/04/21 19:31*	*1*

Lab Sample ID: LCS 460-782317/4
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0241		mg/Kg		121	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0227		mg/Kg		114	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0243		mg/Kg		121	78 - 136
1,1,2-Trichloroethane	0.0200	0.0208		mg/Kg		104	75 - 120
1,1-Dichloroethane	0.0200	0.0242		mg/Kg		121	76 - 129
1,1-Dichloroethene	0.0200	0.0238		mg/Kg		119	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0220		mg/Kg		110	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0218		mg/Kg		109	60 - 126
1,2-Dichlorobenzene	0.0200	0.0215		mg/Kg		108	80 - 120
1,2-Dichloroethane	0.0200	0.0220		mg/Kg		110	70 - 132
1,2-Dichloropropane	0.0200	0.0220		mg/Kg		110	73 - 124
1,3-Dichlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120
1,4-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120
2-Butanone (MEK)	0.100	0.102		mg/Kg		102	75 - 120
2-Hexanone	0.100	0.100		mg/Kg		100	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.104		mg/Kg		104	80 - 122
Acetone	0.100	0.110		mg/Kg		110	63 - 131
Benzene	0.0200	0.0228		mg/Kg		114	80 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782317/4
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			0.0200	0.0206		mg/Kg		103	48 - 142		
Bromomethane			0.0200	0.0234		mg/Kg		117	46 - 150		
Carbon disulfide			0.0200	0.0266		mg/Kg		133	67 - 136		
Carbon tetrachloride			0.0200	0.0236		mg/Kg		118	72 - 136		
Chlorobenzene			0.0200	0.0203		mg/Kg		101	80 - 120		
Chlorobromomethane			0.0200	0.0214		mg/Kg		107	76 - 127		
Chlorodibromomethane			0.0200	0.0203		mg/Kg		102	62 - 128		
Chloroethane			0.0200	0.0234		mg/Kg		117	49 - 150		
Chloroform			0.0200	0.0233		mg/Kg		117	79 - 126		
Chloromethane			0.0200	0.0239		mg/Kg		120	48 - 150		
cis-1,2-Dichloroethene			0.0200	0.0229		mg/Kg		115	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		100	72 - 120		
Cyclohexane			0.0200	0.0251		mg/Kg		126	80 - 132		
Dichlorobromomethane			0.0200	0.0212		mg/Kg		106	73 - 124		
Dichlorodifluoromethane			0.0200	0.0244		mg/Kg		122	40 - 146		
Ethylbenzene			0.0200	0.0213		mg/Kg		107	80 - 120		
Ethylene Dibromide			0.0200	0.0213		mg/Kg		106	79 - 120		
Isopropylbenzene			0.0200	0.0225		mg/Kg		113	80 - 120		
Methyl acetate			0.0400	0.0438		mg/Kg		109	58 - 143		
Methyl tert-butyl ether			0.0200	0.0245		mg/Kg		123	80 - 125		
Methylcyclohexane			0.0200	0.0243		mg/Kg		121	79 - 133		
Methylene Chloride			0.0200	0.0239		mg/Kg		119	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0215		mg/Kg		108	80 - 120		
o-Xylene			0.0200	0.0220		mg/Kg		110	80 - 120		
Styrene			0.0200	0.0211		mg/Kg		105	80 - 120		
Tetrachloroethene			0.0200	0.0211		mg/Kg		105	78 - 123		
Toluene			0.0200	0.0208		mg/Kg		104	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0233		mg/Kg		116	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	68 - 120		
Trichloroethene			0.0200	0.0210		mg/Kg		105	79 - 120		
Trichlorofluoromethane			0.0200	0.0219		mg/Kg		110	67 - 142		
Vinyl chloride			0.0200	0.0251		mg/Kg		125	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*
4-Bromofluorobenzene	*108*		*70 - 139*
Dibromofluoromethane (Surr)	*112*		*48 - 150*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 460-782317/5
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0213		mg/Kg		106	78 - 132	13	30
1,1,2,2-Tetrachloroethane			0.0200	0.0200		mg/Kg		100	69 - 123	13	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0220		mg/Kg		110	78 - 136	10	30
1,1,2-Trichloroethane			0.0200	0.0185		mg/Kg		93	75 - 120	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782317/5
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0206		mg/Kg		103	76 - 129	16	30
1,1-Dichloroethene	0.0200	0.0211		mg/Kg		105	77 - 132	12	30
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	65 - 144	16	30
1,2,4-Trichlorobenzene	0.0200	0.0193		mg/Kg		97	75 - 120	13	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0185		mg/Kg		92	60 - 126	17	30
1,2-Dichlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120	16	30
1,2-Dichloroethane	0.0200	0.0196		mg/Kg		98	70 - 132	11	30
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124	14	30
1,3-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120	13	30
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	15	30
2-Butanone (MEK)	0.100	0.0887		mg/Kg		89	75 - 120	14	30
2-Hexanone	0.100	0.0862		mg/Kg		86	78 - 120	15	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 122	13	30
Acetone	0.100	0.0950		mg/Kg		95	63 - 131	15	30
Benzene	0.0200	0.0199		mg/Kg		100	80 - 123	14	30
Bromoform	0.0200	0.0182		mg/Kg		91	48 - 142	12	30
Bromomethane	0.0200	0.0238		mg/Kg		119	46 - 150	2	30
Carbon disulfide	0.0200	0.0240		mg/Kg		120	67 - 136	11	30
Carbon tetrachloride	0.0200	0.0207		mg/Kg		104	72 - 136	13	30
Chlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120	14	30
Chlorobromomethane	0.0200	0.0192		mg/Kg		96	76 - 127	11	30
Chlorodibromomethane	0.0200	0.0172		mg/Kg		86	62 - 128	17	30
Chloroethane	0.0200	0.0250		mg/Kg		125	49 - 150	7	30
Chloroform	0.0200	0.0202		mg/Kg		101	79 - 126	14	30
Chloromethane	0.0200	0.0253		mg/Kg		126	48 - 150	6	30
cis-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		99	80 - 123	14	30
cis-1,3-Dichloropropene	0.0200	0.0171		mg/Kg		85	72 - 120	15	30
Cyclohexane	0.0200	0.0222		mg/Kg		111	80 - 132	13	30
Dichlorobromomethane	0.0200	0.0185		mg/Kg		92	73 - 124	14	30
Dichlorodifluoromethane	0.0200	0.0242		mg/Kg		121	40 - 146	1	30
Ethylbenzene	0.0200	0.0188		mg/Kg		94	80 - 120	12	30
Ethylene Dibromide	0.0200	0.0175		mg/Kg		87	79 - 120	20	30
Isopropylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	12	30
Methyl acetate	0.0400	0.0390		mg/Kg		97	58 - 143	12	30
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	80 - 125	14	30
Methylcyclohexane	0.0200	0.0215		mg/Kg		107	79 - 133	12	30
Methylene Chloride	0.0200	0.0206		mg/Kg		103	76 - 127	15	30
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		93	80 - 120	14	30
o-Xylene	0.0200	0.0193		mg/Kg		97	80 - 120	13	30
Styrene	0.0200	0.0181		mg/Kg		91	80 - 120	15	30
Tetrachloroethene	0.0200	0.0190		mg/Kg		95	78 - 123	10	30
Toluene	0.0200	0.0185		mg/Kg		93	80 - 120	12	30
trans-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	78 - 128	18	30
trans-1,3-Dichloropropene	0.0200	0.0174		mg/Kg		87	68 - 120	15	30
Trichloroethene	0.0200	0.0184		mg/Kg		92	79 - 120	13	30
Trichlorofluoromethane	0.0200	0.0228		mg/Kg		114	67 - 142	4	30
Vinyl chloride	0.0200	0.0260		mg/Kg		130	56 - 147	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782317/5
Matrix: Solid
Analysis Batch: 782317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*107*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-782319/8
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 23:09	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/04/21 23:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/04/21 23:09	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 23:09	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/04/21 23:09	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 23:09	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 23:09	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 23:09	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/04/21 23:09	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 23:09	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/04/21 23:09	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/04/21 23:09	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/04/21 23:09	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 23:09	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/04/21 23:09	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/04/21 23:09	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/04/21 23:09	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/04/21 23:09	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/04/21 23:09	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/04/21 23:09	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/04/21 23:09	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 23:09	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/04/21 23:09	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 23:09	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/04/21 23:09	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/04/21 23:09	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/04/21 23:09	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/04/21 23:09	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/04/21 23:09	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/04/21 23:09	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 23:09	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/04/21 23:09	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/04/21 23:09	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/04/21 23:09	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/04/21 23:09	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/04/21 23:09	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/04/21 23:09	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/04/21 23:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782319/8
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/04/21 23:09	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/04/21 23:09	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/04/21 23:09	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/04/21 23:09	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/04/21 23:09	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/04/21 23:09	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/04/21 23:09	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/04/21 23:09	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/04/21 23:09	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/04/21 23:09	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/04/21 23:09	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/04/21 23:09	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/04/21 23:09	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/04/21 23:09*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*		*06/04/21 23:09*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*		*06/04/21 23:09*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*		*06/04/21 23:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/04/21 23:09*	*1*

Lab Sample ID: LCS 460-782319/3
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0209		mg/Kg		104	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0191		mg/Kg		95	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0207		mg/Kg		103	78 - 136
1,1,2-Trichloroethane	0.0200	0.0204		mg/Kg		102	75 - 120
1,1-Dichloroethane	0.0200	0.0223		mg/Kg		111	76 - 129
1,1-Dichloroethene	0.0200	0.0212		mg/Kg		106	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		91	60 - 126
1,2-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0196		mg/Kg		98	70 - 132
1,2-Dichloropropane	0.0200	0.0228		mg/Kg		114	73 - 124
1,3-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.0763		mg/Kg		76	75 - 120
2-Hexanone	0.100	0.105		mg/Kg		105	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.105		mg/Kg		105	80 - 122
Acetone	0.100	0.0784		mg/Kg		78	63 - 131
Benzene	0.0200	0.0213		mg/Kg		107	80 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782319/3
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			0.0200	0.0174		mg/Kg		87	48 - 142		
Bromomethane			0.0200	0.0211		mg/Kg		105	46 - 150		
Carbon disulfide			0.0200	0.0243		mg/Kg		122	67 - 136		
Carbon tetrachloride			0.0200	0.0194		mg/Kg		97	72 - 136		
Chlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120		
Chlorobromomethane			0.0200	0.0195		mg/Kg		98	76 - 127		
Chlorodibromomethane			0.0200	0.0182		mg/Kg		91	62 - 128		
Chloroethane			0.0200	0.0217		mg/Kg		108	49 - 150		
Chloroform			0.0200	0.0203		mg/Kg		102	79 - 126		
Chloromethane			0.0200	0.0241		mg/Kg		120	48 - 150		
cis-1,2-Dichloroethene			0.0200	0.0196		mg/Kg		98	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0212		mg/Kg		106	72 - 120		
Cyclohexane			0.0200	0.0215		mg/Kg		107	80 - 132		
Dichlorobromomethane			0.0200	0.0199		mg/Kg		100	73 - 124		
Dichlorodifluoromethane			0.0200	0.0218		mg/Kg		109	40 - 146		
Ethylbenzene			0.0200	0.0201		mg/Kg		100	80 - 120		
Ethylene Dibromide			0.0200	0.0190		mg/Kg		95	79 - 120		
Isopropylbenzene			0.0200	0.0203		mg/Kg		102	80 - 120		
Methyl acetate			0.0400	0.0489		mg/Kg		122	58 - 143		
Methyl tert-butyl ether			0.0200	0.0214		mg/Kg		107	80 - 125		
Methylcyclohexane			0.0200	0.0204		mg/Kg		102	79 - 133		
Methylene Chloride			0.0200	0.0202		mg/Kg		101	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0208		mg/Kg		104	80 - 120		
o-Xylene			0.0200	0.0204		mg/Kg		102	80 - 120		
Styrene			0.0200	0.0198		mg/Kg		99	80 - 120		
Tetrachloroethene			0.0200	0.0193		mg/Kg		96	78 - 123		
Toluene			0.0200	0.0212		mg/Kg		106	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0208		mg/Kg		104	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0200		mg/Kg		100	68 - 120		
Trichloroethene			0.0200	0.0208		mg/Kg		104	79 - 120		
Trichlorofluoromethane			0.0200	0.0200		mg/Kg		100	67 - 142		
Vinyl chloride			0.0200	0.0228		mg/Kg		114	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
4-Bromofluorobenzene	*105*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: LCSD 460-782319/4
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0192		mg/Kg		96	78 - 132	9	30
1,1,2,2-Tetrachloroethane			0.0200	0.0181		mg/Kg		91	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0182		mg/Kg		91	78 - 136	13	30
1,1,2-Trichloroethane			0.0200	0.0175		mg/Kg		88	75 - 120	15	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782319/4
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0206		mg/Kg		103	76 - 129	8	30
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		92	77 - 132	14	30
1,2,3-Trichlorobenzene	0.0200	0.0146		mg/Kg		73	65 - 144	23	30
1,2,4-Trichlorobenzene	0.0200	0.0147	*	mg/Kg		73	75 - 120	26	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0162		mg/Kg		81	60 - 126	12	30
1,2-Dichlorobenzene	0.0200	0.0167		mg/Kg		84	80 - 120	14	30
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 132	10	30
1,2-Dichloropropane	0.0200	0.0208		mg/Kg		104	73 - 124	9	30
1,3-Dichlorobenzene	0.0200	0.0167		mg/Kg		84	80 - 120	14	30
1,4-Dichlorobenzene	0.0200	0.0163		mg/Kg		81	80 - 120	16	30
2-Butanone (MEK)	0.100	0.0787		mg/Kg		79	75 - 120	3	30
2-Hexanone	0.100	0.0907		mg/Kg		91	78 - 120	14	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0908		mg/Kg		91	80 - 122	14	30
Acetone	0.100	0.0779		mg/Kg		78	63 - 131	1	30
Benzene	0.0200	0.0194		mg/Kg		97	80 - 123	9	30
Bromoform	0.0200	0.0160		mg/Kg		80	48 - 142	8	30
Bromomethane	0.0200	0.0188		mg/Kg		94	46 - 150	12	30
Carbon disulfide	0.0200	0.0203		mg/Kg		102	67 - 136	18	30
Carbon tetrachloride	0.0200	0.0175		mg/Kg		87	72 - 136	10	30
Chlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120	9	30
Chlorobromomethane	0.0200	0.0185		mg/Kg		93	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0169		mg/Kg		85	62 - 128	7	30
Chloroethane	0.0200	0.0200		mg/Kg		100	49 - 150	8	30
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126	9	30
Chloromethane	0.0200	0.0219		mg/Kg		110	48 - 150	9	30
cis-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	80 - 123	4	30
cis-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	72 - 120	10	30
Cyclohexane	0.0200	0.0178		mg/Kg		89	80 - 132	19	30
Dichlorobromomethane	0.0200	0.0174		mg/Kg		87	73 - 124	14	30
Dichlorodifluoromethane	0.0200	0.0200		mg/Kg		100	40 - 146	9	30
Ethylbenzene	0.0200	0.0174		mg/Kg		87	80 - 120	14	30
Ethylene Dibromide	0.0200	0.0170		mg/Kg		85	79 - 120	11	30
Isopropylbenzene	0.0200	0.0163		mg/Kg		82	80 - 120	22	30
Methyl acetate	0.0400	0.0426		mg/Kg		107	58 - 143	14	30
Methyl tert-butyl ether	0.0200	0.0201		mg/Kg		101	80 - 125	6	30
Methylcyclohexane	0.0200	0.0161		mg/Kg		81	79 - 133	24	30
Methylene Chloride	0.0200	0.0196		mg/Kg		98	76 - 127	3	30
m-Xylene & p-Xylene	0.0200	0.0171		mg/Kg		85	80 - 120	20	30
o-Xylene	0.0200	0.0177		mg/Kg		88	80 - 120	14	30
Styrene	0.0200	0.0180		mg/Kg		90	80 - 120	10	30
Tetrachloroethene	0.0200	0.0164		mg/Kg		82	78 - 123	16	30
Toluene	0.0200	0.0187		mg/Kg		94	80 - 120	12	30
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	78 - 128	8	30
trans-1,3-Dichloropropene	0.0200	0.0183		mg/Kg		92	68 - 120	8	30
Trichloroethene	0.0200	0.0185		mg/Kg		92	79 - 120	12	30
Trichlorofluoromethane	0.0200	0.0185		mg/Kg		93	67 - 142	7	30
Vinyl chloride	0.0200	0.0206		mg/Kg		103	56 - 147	10	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782319/4
Matrix: Solid
Analysis Batch: 782319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*
4-Bromofluorobenzene	*104*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 460-782408/7
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 07:35	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/05/21 07:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/05/21 07:35	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 07:35	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/05/21 07:35	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 07:35	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 07:35	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 07:35	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/05/21 07:35	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 07:35	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/05/21 07:35	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/05/21 07:35	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/05/21 07:35	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 07:35	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/05/21 07:35	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/05/21 07:35	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/05/21 07:35	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/05/21 07:35	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/05/21 07:35	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/05/21 07:35	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/05/21 07:35	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 07:35	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/05/21 07:35	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 07:35	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/05/21 07:35	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/05/21 07:35	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/05/21 07:35	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/05/21 07:35	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/05/21 07:35	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 07:35	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 07:35	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/05/21 07:35	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/05/21 07:35	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/05/21 07:35	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/05/21 07:35	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 07:35	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/05/21 07:35	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/05/21 07:35	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782408/7
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/05/21 07:35	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/05/21 07:35	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/05/21 07:35	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/05/21 07:35	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/05/21 07:35	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/05/21 07:35	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/05/21 07:35	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 07:35	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/05/21 07:35	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 07:35	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/05/21 07:35	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/05/21 07:35	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/05/21 07:35	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/05/21 07:35*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*		*06/05/21 07:35*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*		*06/05/21 07:35*	*1*
Dibromofluoromethane (Surr)	*116*		*48 - 150*		*06/05/21 07:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/05/21 07:35*	*1*

Lab Sample ID: LCS 460-782408/4
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0222		mg/Kg		111	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0204		mg/Kg		102	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0222		mg/Kg		111	78 - 136
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	75 - 120
1,1-Dichloroethane	0.0200	0.0231		mg/Kg		116	76 - 129
1,1-Dichloroethene	0.0200	0.0226		mg/Kg		113	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0204		mg/Kg		102	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0187		mg/Kg		94	60 - 126
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0208		mg/Kg		104	70 - 132
1,2-Dichloropropane	0.0200	0.0208		mg/Kg		104	73 - 124
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.0876		mg/Kg		88	75 - 120
2-Hexanone	0.100	0.0926		mg/Kg		93	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0975		mg/Kg		97	80 - 122
Acetone	0.100	0.0947		mg/Kg		95	63 - 131
Benzene	0.0200	0.0213		mg/Kg		106	80 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782408/4
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			0.0200	0.0187		mg/Kg		94	48 - 142		
Bromomethane			0.0200	0.0183		mg/Kg		92	46 - 150		
Carbon disulfide			0.0200	0.0236		mg/Kg		118	67 - 136		
Carbon tetrachloride			0.0200	0.0213		mg/Kg		106	72 - 136		
Chlorobenzene			0.0200	0.0191		mg/Kg		96	80 - 120		
Chlorobromomethane			0.0200	0.0205		mg/Kg		102	76 - 127		
Chlorodibromomethane			0.0200	0.0182		mg/Kg		91	62 - 128		
Chloroethane			0.0200	0.0183		mg/Kg		92	49 - 150		
Chloroform			0.0200	0.0218		mg/Kg		109	79 - 126		
Chloromethane			0.0200	0.0217		mg/Kg		109	48 - 150		
cis-1,2-Dichloroethene			0.0200	0.0222		mg/Kg		111	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0184		mg/Kg		92	72 - 120		
Cyclohexane			0.0200	0.0229		mg/Kg		115	80 - 132		
Dichlorobromomethane			0.0200	0.0197		mg/Kg		99	73 - 124		
Dichlorodifluoromethane			0.0200	0.0174		mg/Kg		87	40 - 146		
Ethylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120		
Ethylene Dibromide			0.0200	0.0188		mg/Kg		94	79 - 120		
Isopropylbenzene			0.0200	0.0203		mg/Kg		101	80 - 120		
Methyl acetate			0.0400	0.0446		mg/Kg		111	58 - 143		
Methyl tert-butyl ether			0.0200	0.0223		mg/Kg		112	80 - 125		
Methylcyclohexane			0.0200	0.0224		mg/Kg		112	79 - 133		
Methylene Chloride			0.0200	0.0223		mg/Kg		111	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0197		mg/Kg		99	80 - 120		
o-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120		
Styrene			0.0200	0.0194		mg/Kg		97	80 - 120		
Tetrachloroethene			0.0200	0.0195		mg/Kg		98	78 - 123		
Toluene			0.0200	0.0197		mg/Kg		98	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0222		mg/Kg		111	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0189		mg/Kg		95	68 - 120		
Trichloroethene			0.0200	0.0196		mg/Kg		98	79 - 120		
Trichlorofluoromethane			0.0200	0.0177		mg/Kg		89	67 - 142		
Vinyl chloride			0.0200	0.0191		mg/Kg		96	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*109*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-782408/13
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0214		mg/Kg		107	78 - 132	4	30
1,1,2,2-Tetrachloroethane			0.0200	0.0199		mg/Kg		99	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0218		mg/Kg		109	78 - 136	2	30
1,1,2-Trichloroethane			0.0200	0.0186		mg/Kg		93	75 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782408/13
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0223		mg/Kg		111	76 - 129	4	30
1,1-Dichloroethene	0.0200	0.0213		mg/Kg		107	77 - 132	6	30
1,2,3-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	65 - 144	1	30
1,2,4-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	75 - 120	7	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0194		mg/Kg		97	60 - 126	3	30
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0199		mg/Kg		99	70 - 132	4	30
1,2-Dichloropropane	0.0200	0.0197		mg/Kg		98	73 - 124	6	30
1,3-Dichlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	6	30
2-Butanone (MEK)	0.100	0.0845		mg/Kg		84	75 - 120	4	30
2-Hexanone	0.100	0.0890		mg/Kg		89	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0965		mg/Kg		96	80 - 122	1	30
Acetone	0.100	0.0952		mg/Kg		95	63 - 131	0	30
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123	7	30
Bromoform	0.0200	0.0185		mg/Kg		92	48 - 142	1	30
Bromomethane	0.0200	0.0193		mg/Kg		97	46 - 150	5	30
Carbon disulfide	0.0200	0.0238		mg/Kg		119	67 - 136	1	30
Carbon tetrachloride	0.0200	0.0205		mg/Kg		103	72 - 136	4	30
Chlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	7	30
Chlorobromomethane	0.0200	0.0204		mg/Kg		102	76 - 127	0	30
Chlorodibromomethane	0.0200	0.0180		mg/Kg		90	62 - 128	2	30
Chloroethane	0.0200	0.0188		mg/Kg		94	49 - 150	2	30
Chloroform	0.0200	0.0212		mg/Kg		106	79 - 126	3	30
Chloromethane	0.0200	0.0214		mg/Kg		107	48 - 150	2	30
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		106	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0172		mg/Kg		86	72 - 120	7	30
Cyclohexane	0.0200	0.0216		mg/Kg		108	80 - 132	6	30
Dichlorobromomethane	0.0200	0.0187		mg/Kg		94	73 - 124	5	30
Dichlorodifluoromethane	0.0200	0.0174		mg/Kg		87	40 - 146	0	30
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120	6	30
Ethylene Dibromide	0.0200	0.0183		mg/Kg		91	79 - 120	3	30
Isopropylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	4	30
Methyl acetate	0.0400	0.0402		mg/Kg		100	58 - 143	10	30
Methyl tert-butyl ether	0.0200	0.0226		mg/Kg		113	80 - 125	1	30
Methylcyclohexane	0.0200	0.0212		mg/Kg		106	79 - 133	6	30
Methylene Chloride	0.0200	0.0216		mg/Kg		108	76 - 127	3	30
m-Xylene & p-Xylene	0.0200	0.0181		mg/Kg		90	80 - 120	9	30
o-Xylene	0.0200	0.0193		mg/Kg		96	80 - 120	2	30
Styrene	0.0200	0.0185		mg/Kg		92	80 - 120	5	30
Tetrachloroethene	0.0200	0.0178		mg/Kg		89	78 - 123	9	30
Toluene	0.0200	0.0181		mg/Kg		91	80 - 120	8	30
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		103	78 - 128	8	30
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	68 - 120	4	30
Trichloroethene	0.0200	0.0181		mg/Kg		91	79 - 120	8	30
Trichlorofluoromethane	0.0200	0.0175		mg/Kg		87	67 - 142	1	30
Vinyl chloride	0.0200	0.0202		mg/Kg		101	56 - 147	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782408/13
Matrix: Solid
Analysis Batch: 782408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*111*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 460-782409/7
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 09:34	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/05/21 09:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/05/21 09:34	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 09:34	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/05/21 09:34	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 09:34	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 09:34	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 09:34	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/05/21 09:34	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 09:34	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/05/21 09:34	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/05/21 09:34	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/05/21 09:34	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 09:34	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/05/21 09:34	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/05/21 09:34	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/05/21 09:34	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/05/21 09:34	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/05/21 09:34	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/05/21 09:34	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/05/21 09:34	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 09:34	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/05/21 09:34	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 09:34	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/05/21 09:34	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/05/21 09:34	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/05/21 09:34	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/05/21 09:34	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/05/21 09:34	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/05/21 09:34	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 09:34	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/05/21 09:34	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/05/21 09:34	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/05/21 09:34	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/05/21 09:34	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/05/21 09:34	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/05/21 09:34	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/05/21 09:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782409/7
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/05/21 09:34	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/05/21 09:34	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/05/21 09:34	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/05/21 09:34	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/05/21 09:34	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/05/21 09:34	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/05/21 09:34	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/05/21 09:34	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/05/21 09:34	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/05/21 09:34	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/05/21 09:34	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/05/21 09:34	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/05/21 09:34	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/05/21 09:34*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*		*06/05/21 09:34*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*06/05/21 09:34*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*		*06/05/21 09:34*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/05/21 09:34*	*1*

Lab Sample ID: LCS 460-782409/3
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0195		mg/Kg		98	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0173		mg/Kg		87	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0195		mg/Kg		98	78 - 136
1,1,2-Trichloroethane	0.0200	0.0178		mg/Kg		89	75 - 120
1,1-Dichloroethane	0.0200	0.0199		mg/Kg		99	76 - 129
1,1-Dichloroethene	0.0200	0.0193		mg/Kg		96	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		92	60 - 126
1,2-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,2-Dichloroethane	0.0200	0.0183		mg/Kg		91	70 - 132
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124
1,3-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
2-Butanone (MEK)	0.100	0.0851		mg/Kg		85	75 - 120
2-Hexanone	0.100	0.0919		mg/Kg		92	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0942		mg/Kg		94	80 - 122
Acetone	0.100	0.0783		mg/Kg		78	63 - 131
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782409/3
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			0.0200	0.0170		mg/Kg		85	48 - 142		
Bromomethane			0.0200	0.0187		mg/Kg		93	46 - 150		
Carbon disulfide			0.0200	0.0204		mg/Kg		102	67 - 136		
Carbon tetrachloride			0.0200	0.0185		mg/Kg		93	72 - 136		
Chlorobenzene			0.0200	0.0189		mg/Kg		94	80 - 120		
Chlorobromomethane			0.0200	0.0190		mg/Kg		95	76 - 127		
Chlorodibromomethane			0.0200	0.0169		mg/Kg		85	62 - 128		
Chloroethane			0.0200	0.0187		mg/Kg		94	49 - 150		
Chloroform			0.0200	0.0187		mg/Kg		94	79 - 126		
Chloromethane			0.0200	0.0196		mg/Kg		98	48 - 150		
cis-1,2-Dichloroethene			0.0200	0.0193		mg/Kg		97	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0191		mg/Kg		95	72 - 120		
Cyclohexane			0.0200	0.0207		mg/Kg		104	80 - 132		
Dichlorobromomethane			0.0200	0.0180		mg/Kg		90	73 - 124		
Dichlorodifluoromethane			0.0200	0.0180		mg/Kg		90	40 - 146		
Ethylbenzene			0.0200	0.0193		mg/Kg		96	80 - 120		
Ethylene Dibromide			0.0200	0.0169		mg/Kg		85	79 - 120		
Isopropylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120		
Methyl acetate			0.0400	0.0371		mg/Kg		93	58 - 143		
Methyl tert-butyl ether			0.0200	0.0194		mg/Kg		97	80 - 125		
Methylcyclohexane			0.0200	0.0208		mg/Kg		104	79 - 133		
Methylene Chloride			0.0200	0.0178		mg/Kg		89	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120		
o-Xylene			0.0200	0.0190		mg/Kg		95	80 - 120		
Styrene			0.0200	0.0191		mg/Kg		95	80 - 120		
Tetrachloroethene			0.0200	0.0182		mg/Kg		91	78 - 123		
Toluene			0.0200	0.0193		mg/Kg		97	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0181		mg/Kg		91	68 - 120		
Trichloroethene			0.0200	0.0198		mg/Kg		99	79 - 120		
Trichlorofluoromethane			0.0200	0.0190		mg/Kg		95	67 - 142		
Vinyl chloride			0.0200	0.0196		mg/Kg		98	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 460-782409/4
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0192		mg/Kg		96	78 - 132	2	30
1,1,2,2-Tetrachloroethane			0.0200	0.0170		mg/Kg		85	69 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0191		mg/Kg		96	78 - 136	2	30
1,1,2-Trichloroethane			0.0200	0.0184		mg/Kg		92	75 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782409/4
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0201		mg/Kg		101	76 - 129	1	30
1,1-Dichloroethene	0.0200	0.0188		mg/Kg		94	77 - 132	2	30
1,2,3-Trichlorobenzene	0.0200	0.0179		mg/Kg		90	65 - 144	4	30
1,2,4-Trichlorobenzene	0.0200	0.0179		mg/Kg		90	75 - 120	9	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	60 - 126	6	30
1,2-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120	5	30
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 132	3	30
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	73 - 124	2	30
1,3-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0841		mg/Kg		84	75 - 120	1	30
2-Hexanone	0.100	0.0885		mg/Kg		89	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0902		mg/Kg		90	80 - 122	4	30
Acetone	0.100	0.0775		mg/Kg		78	63 - 131	1	30
Benzene	0.0200	0.0205		mg/Kg		103	80 - 123	4	30
Bromoform	0.0200	0.0164		mg/Kg		82	48 - 142	4	30
Bromomethane	0.0200	0.0190		mg/Kg		95	46 - 150	2	30
Carbon disulfide	0.0200	0.0207		mg/Kg		104	67 - 136	1	30
Carbon tetrachloride	0.0200	0.0187		mg/Kg		94	72 - 136	1	30
Chlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 120	3	30
Chlorobromomethane	0.0200	0.0187		mg/Kg		94	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0169		mg/Kg		84	62 - 128	0	30
Chloroethane	0.0200	0.0196		mg/Kg		98	49 - 150	5	30
Chloroform	0.0200	0.0196		mg/Kg		98	79 - 126	5	30
Chloromethane	0.0200	0.0202		mg/Kg		101	48 - 150	3	30
cis-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0188		mg/Kg		94	72 - 120	1	30
Cyclohexane	0.0200	0.0205		mg/Kg		103	80 - 132	1	30
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	73 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0184		mg/Kg		92	40 - 146	2	30
Ethylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	1	30
Ethylene Dibromide	0.0200	0.0171		mg/Kg		85	79 - 120	1	30
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120	0	30
Methyl acetate	0.0400	0.0373		mg/Kg		93	58 - 143	0	30
Methyl tert-butyl ether	0.0200	0.0196		mg/Kg		98	80 - 125	1	30
Methylcyclohexane	0.0200	0.0204		mg/Kg		102	79 - 133	2	30
Methylene Chloride	0.0200	0.0195		mg/Kg		98	76 - 127	9	30
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120	1	30
o-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120	1	30
Styrene	0.0200	0.0188		mg/Kg		94	80 - 120	2	30
Tetrachloroethene	0.0200	0.0181		mg/Kg		91	78 - 123	0	30
Toluene	0.0200	0.0194		mg/Kg		97	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	78 - 128	0	30
trans-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		92	68 - 120	2	30
Trichloroethene	0.0200	0.0191		mg/Kg		96	79 - 120	3	30
Trichlorofluoromethane	0.0200	0.0185		mg/Kg		92	67 - 142	3	30
Vinyl chloride	0.0200	0.0195		mg/Kg		97	56 - 147	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782409/4
Matrix: Solid
Analysis Batch: 782409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
4-Bromofluorobenzene	*107*		*70 - 139*
Dibromofluoromethane (Surr)	*111*		*48 - 150*
Toluene-d8 (Surr)	*112*		*80 - 120*

Lab Sample ID: LB3 460-782513/1-A
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782513

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/05/21 16:15	06/07/21 14:44	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-782513/1-A
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782513

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/05/21 16:15	06/07/21 14:44	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/05/21 16:15	06/07/21 14:44	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/05/21 16:15*	*06/07/21 14:44*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*	*06/05/21 16:15*	*06/07/21 14:44*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*	*06/05/21 16:15*	*06/07/21 14:44*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*	*06/05/21 16:15*	*06/07/21 14:44*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*06/05/21 16:15*	*06/07/21 14:44*	*1*

Lab Sample ID: MB 460-782657/7
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/07/21 07:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/07/21 07:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/07/21 07:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/07/21 07:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/07/21 07:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/07/21 07:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/07/21 07:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/07/21 07:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/07/21 07:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/07/21 07:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/07/21 07:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/07/21 07:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/07/21 07:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/07/21 07:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/07/21 07:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/07/21 07:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/07/21 07:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/07/21 07:21	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/07/21 07:21	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/07/21 07:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782657/7
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/07/21 07:21	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/07/21 07:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/07/21 07:21	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/07/21 07:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/07/21 07:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/07/21 07:21	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/07/21 07:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/07/21 07:21	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/07/21 07:21	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/07/21 07:21	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/07/21 07:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/07/21 07:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/07/21 07:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/07/21 07:21	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/07/21 07:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/07/21 07:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/07/21 07:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/07/21 07:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/07/21 07:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/07/21 07:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/07/21 07:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/07/21 07:21	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/07/21 07:21	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/07/21 07:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/07/21 07:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/07/21 07:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/07/21 07:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/07/21 07:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/07/21 07:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/07/21 07:21	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/07/21 07:21	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/07/21 07:21*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*		*06/07/21 07:21*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*06/07/21 07:21*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*		*06/07/21 07:21*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/07/21 07:21*	*1*

Lab Sample ID: LCS 460-782657/3
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0180		mg/Kg		90	69 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782657/3
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0212		mg/Kg		106	78 - 136
1,1,2-Trichloroethane	0.0200	0.0177		mg/Kg		89	75 - 120
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		103	76 - 129
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0201		mg/Kg		100	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0184		mg/Kg		92	60 - 126
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0193		mg/Kg		97	70 - 132
1,2-Dichloropropane	0.0200	0.0205		mg/Kg		102	73 - 124
1,3-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0896		mg/Kg		90	75 - 120
2-Hexanone	0.100	0.0951		mg/Kg		95	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0940		mg/Kg		94	80 - 122
Acetone	0.100	0.0837		mg/Kg		84	63 - 131
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123
Bromoform	0.0200	0.0170		mg/Kg		85	48 - 142
Bromomethane	0.0200	0.0203		mg/Kg		101	46 - 150
Carbon disulfide	0.0200	0.0210		mg/Kg		105	67 - 136
Carbon tetrachloride	0.0200	0.0203		mg/Kg		102	72 - 136
Chlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0174		mg/Kg		87	62 - 128
Chloroethane	0.0200	0.0201		mg/Kg		100	49 - 150
Chloroform	0.0200	0.0199		mg/Kg		99	79 - 126
Chloromethane	0.0200	0.0203		mg/Kg		102	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0203		mg/Kg		102	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	72 - 120
Cyclohexane	0.0200	0.0204		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		92	73 - 124
Dichlorodifluoromethane	0.0200	0.0216		mg/Kg		108	40 - 146
Ethylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Ethylene Dibromide	0.0200	0.0175		mg/Kg		87	79 - 120
Isopropylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120
Methyl acetate	0.0400	0.0370		mg/Kg		93	58 - 143
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		99	80 - 125
Methylcyclohexane	0.0200	0.0221		mg/Kg		111	79 - 133
Methylene Chloride	0.0200	0.0199		mg/Kg		100	76 - 127
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120
o-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
Styrene	0.0200	0.0189		mg/Kg		94	80 - 120
Tetrachloroethene	0.0200	0.0191		mg/Kg		96	78 - 123
Toluene	0.0200	0.0193		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	68 - 120
Trichloroethene	0.0200	0.0197		mg/Kg		98	79 - 120
Trichlorofluoromethane	0.0200	0.0209		mg/Kg		105	67 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782657/3
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			0.0200	0.0207		mg/Kg		104	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*99*		*48 - 150*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-782657/4
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0217		mg/Kg		109	78 - 132	9	30
1,1,2,2-Tetrachloroethane			0.0200	0.0171		mg/Kg		86	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0209		mg/Kg		104	78 - 136	2	30
1,1,2-Trichloroethane			0.0200	0.0185		mg/Kg		93	75 - 120	4	30
1,1-Dichloroethane			0.0200	0.0214		mg/Kg		107	76 - 129	4	30
1,1-Dichloroethene			0.0200	0.0205		mg/Kg		103	77 - 132	6	30
1,2,3-Trichlorobenzene			0.0200	0.0208		mg/Kg		104	65 - 144	7	30
1,2,4-Trichlorobenzene			0.0200	0.0205		mg/Kg		103	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0172		mg/Kg		86	60 - 126	7	30
1,2-Dichlorobenzene			0.0200	0.0193		mg/Kg		96	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0197		mg/Kg		99	70 - 132	2	30
1,2-Dichloropropane			0.0200	0.0210		mg/Kg		105	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0191		mg/Kg		96	80 - 120	3	30
1,4-Dichlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	0	30
2-Butanone (MEK)			0.100	0.0920		mg/Kg		92	75 - 120	3	30
2-Hexanone			0.100	0.0898		mg/Kg		90	78 - 120	6	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0958		mg/Kg		96	80 - 122	2	30
Acetone			0.100	0.0861		mg/Kg		86	63 - 131	3	30
Benzene			0.0200	0.0205		mg/Kg		103	80 - 123	3	30
Bromoform			0.0200	0.0174		mg/Kg		87	48 - 142	3	30
Bromomethane			0.0200	0.0203		mg/Kg		101	46 - 150	0	30
Carbon disulfide			0.0200	0.0226		mg/Kg		113	67 - 136	8	30
Carbon tetrachloride			0.0200	0.0205		mg/Kg		103	72 - 136	1	30
Chlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	2	30
Chlorobromomethane			0.0200	0.0206		mg/Kg		103	76 - 127	8	30
Chlorodibromomethane			0.0200	0.0183		mg/Kg		92	62 - 128	5	30
Chloroethane			0.0200	0.0193		mg/Kg		97	49 - 150	4	30
Chloroform			0.0200	0.0203		mg/Kg		101	79 - 126	2	30
Chloromethane			0.0200	0.0212		mg/Kg		106	48 - 150	4	30
cis-1,2-Dichloroethene			0.0200	0.0210		mg/Kg		105	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	72 - 120	7	30
Cyclohexane			0.0200	0.0223		mg/Kg		112	80 - 132	9	30
Dichlorobromomethane			0.0200	0.0189		mg/Kg		95	73 - 124	2	30
Dichlorodifluoromethane			0.0200	0.0228		mg/Kg		114	40 - 146	5	30
Ethylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782657/4
Matrix: Solid
Analysis Batch: 782657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			0.0200	0.0174		mg/Kg		87	79 - 120	0	30
Isopropylbenzene			0.0200	0.0203		mg/Kg		102	80 - 120	2	30
Methyl acetate			0.0400	0.0372		mg/Kg		93	58 - 143	1	30
Methyl tert-butyl ether			0.0200	0.0202		mg/Kg		101	80 - 125	3	30
Methylcyclohexane			0.0200	0.0222		mg/Kg		111	79 - 133	0	30
Methylene Chloride			0.0200	0.0207		mg/Kg		104	76 - 127	4	30
m-Xylene & p-Xylene			0.0200	0.0203		mg/Kg		101	80 - 120	6	30
o-Xylene			0.0200	0.0195		mg/Kg		98	80 - 120	0	30
Styrene			0.0200	0.0185		mg/Kg		92	80 - 120	2	30
Tetrachloroethene			0.0200	0.0197		mg/Kg		99	78 - 123	3	30
Toluene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0208		mg/Kg		104	78 - 128	2	30
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		90	68 - 120	2	30
Trichloroethene			0.0200	0.0209		mg/Kg		105	79 - 120	6	30
Trichlorofluoromethane			0.0200	0.0211		mg/Kg		106	67 - 142	1	30
Vinyl chloride			0.0200	0.0219		mg/Kg		110	56 - 147	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
4-Bromofluorobenzene	*98*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-782671/9
Matrix: Solid
Analysis Batch: 782671

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/07/21 10:31	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/07/21 10:31	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/07/21 10:31	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/07/21 10:31	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/07/21 10:31	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/07/21 10:31	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/07/21 10:31	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/07/21 10:31	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/07/21 10:31	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/07/21 10:31	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/07/21 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/07/21 10:31*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*06/07/21 10:31*	*1*
Dibromofluoromethane (Surr)	*116*		*77 - 124*		*06/07/21 10:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/07/21 10:31*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-782671/4
Matrix: Solid
Analysis Batch: 782671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0184		mg/L		92	68 - 133		
1,2-Dichloroethane			0.0200	0.0197		mg/L		99	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0192		mg/L		96	80 - 118		
2-Butanone (MEK)			0.100	0.122		mg/L		122	69 - 128		
Benzene			0.0200	0.0197		mg/L		98	78 - 126		
Carbon tetrachloride			0.0200	0.0351	*	mg/L		176	56 - 131		
Chlorobenzene			0.0200	0.0192		mg/L		96	80 - 119		
Chloroform			0.0200	0.0210		mg/L		105	78 - 125		
Tetrachloroethene			0.0200	0.0207		mg/L		104	70 - 127		
Trichloroethene			0.0200	0.0221		mg/L		111	71 - 121		
Vinyl chloride			0.0200	0.0208		mg/L		104	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 123*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*115*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-782671/5
Matrix: Solid
Analysis Batch: 782671

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0189		mg/L		95	68 - 133	3	30
1,2-Dichloroethane			0.0200	0.0198		mg/L		99	75 - 121	0	30
1,4-Dichlorobenzene			0.0200	0.0191		mg/L		96	80 - 118	0	30
2-Butanone (MEK)			0.100	0.120		mg/L		120	69 - 128	1	30
Benzene			0.0200	0.0205		mg/L		103	78 - 126	4	30
Carbon tetrachloride			0.0200	0.0364	*	mg/L		182	56 - 131	3	30
Chlorobenzene			0.0200	0.0193		mg/L		97	80 - 119	1	30
Chloroform			0.0200	0.0216		mg/L		108	78 - 125	3	30
Tetrachloroethene			0.0200	0.0209		mg/L		104	70 - 127	1	30
Trichloroethene			0.0200	0.0221		mg/L		110	71 - 121	0	30
Vinyl chloride			0.0200	0.0212		mg/L		106	61 - 144	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*
4-Bromofluorobenzene	*112*		*76 - 120*
Dibromofluoromethane (Surr)	*115*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-782801/10
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/07/21 21:38	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/07/21 21:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-782801/10
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/07/21 21:38	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/07/21 21:38	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/07/21 21:38	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/07/21 21:38	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/07/21 21:38	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/07/21 21:38	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/07/21 21:38	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/07/21 21:38	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/07/21 21:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/07/21 21:38*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/07/21 21:38*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*06/07/21 21:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/07/21 21:38*	*1*

Lab Sample ID: LCS 460-782801/4
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0229		mg/L		114	68 - 133		
1,2-Dichloroethane			0.0200	0.0227		mg/L		114	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0201		mg/L		101	80 - 118		
2-Butanone (MEK)			0.100	0.0943		mg/L		94	69 - 128		
Benzene			0.0200	0.0210		mg/L		105	78 - 126		
Carbon tetrachloride			0.0200	0.0231		mg/L		115	56 - 131		
Chlorobenzene			0.0200	0.0212		mg/L		106	80 - 119		
Chloroform			0.0200	0.0238		mg/L		119	78 - 125		
Tetrachloroethene			0.0200	0.0204		mg/L		102	70 - 127		
Trichloroethene			0.0200	0.0227		mg/L		113	71 - 121		
Vinyl chloride			0.0200	0.0245		mg/L		122	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*
4-Bromofluorobenzene	*91*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-782801/5
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0220		mg/L		110	68 - 133	4	30
1,2-Dichloroethane			0.0200	0.0226		mg/L		113	75 - 121	1	30
1,4-Dichlorobenzene			0.0200	0.0195		mg/L		98	80 - 118	3	30
2-Butanone (MEK)			0.100	0.0954		mg/L		95	69 - 128	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-782801/5
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0200	0.0207		mg/L		104	78 - 126	2	30
Carbon tetrachloride			0.0200	0.0217		mg/L		109	56 - 131	6	30
Chlorobenzene			0.0200	0.0199		mg/L		100	80 - 119	6	30
Chloroform			0.0200	0.0229		mg/L		114	78 - 125	4	30
Tetrachloroethene			0.0200	0.0195		mg/L		97	70 - 127	4	30
Trichloroethene			0.0200	0.0215		mg/L		108	71 - 121	5	30
Vinyl chloride			0.0200	0.0241		mg/L		120	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*
4-Bromofluorobenzene	*93*		*76 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 460-783157/8
Matrix: Solid
Analysis Batch: 783157

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/09/21 12:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/09/21 12:32	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/09/21 12:32	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/09/21 12:32	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/09/21 12:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/09/21 12:32	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/09/21 12:32	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/09/21 12:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/09/21 12:32	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/09/21 12:32	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/09/21 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*06/09/21 12:32*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*06/09/21 12:32*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*06/09/21 12:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/09/21 12:32*	*1*

Lab Sample ID: LCS 460-783157/3
Matrix: Solid
Analysis Batch: 783157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene			0.0200	0.0146		mg/L		73	68 - 133
1,2-Dichloroethane			0.0200	0.0183		mg/L		92	75 - 121
1,4-Dichlorobenzene			0.0200	0.0193		mg/L		96	80 - 118
2-Butanone (MEK)			0.100	0.0966		mg/L		97	69 - 128
Benzene			0.0200	0.0207		mg/L		103	78 - 126
Carbon tetrachloride			0.0200	0.0306	*	mg/L		153	56 - 131

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783157/3
Matrix: Solid
Analysis Batch: 783157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobenzene			0.0200	0.0190		mg/L		95	80 - 119		
Chloroform			0.0200	0.0192		mg/L		96	78 - 125		
Tetrachloroethene			0.0200	0.0203		mg/L		101	70 - 127		
Trichloroethene			0.0200	0.0187		mg/L		93	71 - 121		
Vinyl chloride			0.0200	0.0184		mg/L		92	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-783157/4
Matrix: Solid
Analysis Batch: 783157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0144		mg/L		72	68 - 133	1	30
1,2-Dichloroethane			0.0200	0.0187		mg/L		93	75 - 121	2	30
1,4-Dichlorobenzene			0.0200	0.0194		mg/L		97	80 - 118	1	30
2-Butanone (MEK)			0.100	0.0997		mg/L		100	69 - 128	3	30
Benzene			0.0200	0.0203		mg/L		102	78 - 126	2	30
Carbon tetrachloride			0.0200	0.0315	*	mg/L		158	56 - 131	3	30
Chlorobenzene			0.0200	0.0191		mg/L		95	80 - 119	0	30
Chloroform			0.0200	0.0196		mg/L		98	78 - 125	2	30
Tetrachloroethene			0.0200	0.0200		mg/L		100	70 - 127	1	30
Trichloroethene			0.0200	0.0190		mg/L		95	71 - 121	2	30
Vinyl chloride			0.0200	0.0186		mg/L		93	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 460-783311/10
Matrix: Solid
Analysis Batch: 783311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/10/21 00:06	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/10/21 00:06	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/10/21 00:06	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/10/21 00:06	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/10/21 00:06	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/10/21 00:06	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/10/21 00:06	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/10/21 00:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783311/10
Matrix: Solid
Analysis Batch: 783311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/10/21 00:06	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/10/21 00:06	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/10/21 00:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/10/21 00:06*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/10/21 00:06*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/10/21 00:06*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/10/21 00:06*	*1*

Lab Sample ID: LCS 460-783311/4
Matrix: Solid
Analysis Batch: 783311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0149		mg/L		74	68 - 133
1,2-Dichloroethane	0.0200	0.0188		mg/L		94	75 - 121
1,4-Dichlorobenzene	0.0200	0.0193		mg/L		97	80 - 118
2-Butanone (MEK)	0.100	0.112		mg/L		112	69 - 128
Benzene	0.0200	0.0226		mg/L		113	78 - 126
Carbon tetrachloride	0.0200	0.0318	*	mg/L		159	56 - 131
Chlorobenzene	0.0200	0.0195		mg/L		98	80 - 119
Chloroform	0.0200	0.0199		mg/L		100	78 - 125
Tetrachloroethene	0.0200	0.0206		mg/L		103	70 - 127
Trichloroethene	0.0200	0.0193		mg/L		97	71 - 121
Vinyl chloride	0.0200	0.0188		mg/L		94	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-783311/5
Matrix: Solid
Analysis Batch: 783311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0160		mg/L		80	68 - 133	7	30
1,2-Dichloroethane	0.0200	0.0192		mg/L		96	75 - 121	2	30
1,4-Dichlorobenzene	0.0200	0.0208		mg/L		104	80 - 118	8	30
2-Butanone (MEK)	0.100	0.112		mg/L		112	69 - 128	0	30
Benzene	0.0200	0.0220		mg/L		110	78 - 126	2	30
Carbon tetrachloride	0.0200	0.0339	*	mg/L		169	56 - 131	6	30
Chlorobenzene	0.0200	0.0204		mg/L		102	80 - 119	5	30
Chloroform	0.0200	0.0209		mg/L		104	78 - 125	4	30
Tetrachloroethene	0.0200	0.0219		mg/L		109	70 - 127	6	30
Trichloroethene	0.0200	0.0204		mg/L		102	71 - 121	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783311/5
Matrix: Solid
Analysis Batch: 783311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			0.0200	0.0194		mg/L		97	61 - 144	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LB 460-781952/1-A
Matrix: Solid
Analysis Batch: 782178

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/04/21 09:50	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/04/21 09:50	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/04/21 09:50	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/04/21 09:50	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/04/21 09:50	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/04/21 09:50	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/04/21 09:50	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/04/21 09:50	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/04/21 09:50	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/04/21 09:50	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/04/21 09:50	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*06/04/21 09:50*	*10*
4-Bromofluorobenzene	*86*		*76 - 120*		*06/04/21 09:50*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/04/21 09:50*	*10*
Toluene-d8 (Surr)	*88*		*80 - 120*		*06/04/21 09:50*	*10*

Lab Sample ID: LB 460-782517/1-A
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/07/21 22:51	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/07/21 22:51	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/07/21 22:51	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/07/21 22:51	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/07/21 22:51	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/07/21 22:51	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/07/21 22:51	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/07/21 22:51	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/07/21 22:51	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/07/21 22:51	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/07/21 22:51	10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-782517/1-A
Matrix: Solid
Analysis Batch: 782801

Client Sample ID: Method Blank
Prep Type: TCLP

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*		*06/07/21 22:51*	*10*
4-Bromofluorobenzene	*87*		*76 - 120*		*06/07/21 22:51*	*10*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*06/07/21 22:51*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/07/21 22:51*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-781877/1-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/02/21 18:04	06/03/21 00:13	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-781877/1-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/02/21 18:04	06/03/21 00:13	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/02/21 18:04	06/03/21 00:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decane	*0.0632*	*J*	*mg/Kg*		*3.16*	*124-18-5*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/02/21 18:04*	*06/03/21 00:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 123*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
2-Fluorobiphenyl	*67*		*14 - 103*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 105*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
Nitrobenzene-d5 (Surr)	*68*		*11 - 104*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
Phenol-d5 (Surr)	*68*		*15 - 100*	*06/02/21 18:04*	*06/03/21 00:13*	*1*
Terphenyl-d14 (Surr)	*77*		*12 - 126*	*06/02/21 18:04*	*06/03/21 00:13*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781877/2-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.25		mg/Kg		67	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.33		mg/Kg		70	64 - 110
1,4-Dioxane	3.33	2.04		mg/Kg		61	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.20		mg/Kg		66	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.34		mg/Kg		70	58 - 113
2,4,5-Trichlorophenol	3.33	2.25		mg/Kg		68	64 - 112
2,4,6-Trichlorophenol	3.33	2.36		mg/Kg		71	63 - 113
2,4-Dichlorophenol	3.33	2.41		mg/Kg		72	66 - 113
2,4-Dimethylphenol	3.33	2.36		mg/Kg		71	63 - 107
2,4-Dinitrophenol	6.67	3.83		mg/Kg		58	25 - 150
2,4-Dinitrotoluene	3.33	2.43		mg/Kg		73	65 - 124
2,6-Dinitrotoluene	3.33	2.37		mg/Kg		71	67 - 121
2-Chloronaphthalene	3.33	2.28		mg/Kg		68	65 - 109
2-Chlorophenol	3.33	2.39		mg/Kg		72	63 - 106
2-Methylnaphthalene	3.33	2.36		mg/Kg		71	64 - 108
2-Methylphenol	3.33	2.37		mg/Kg		71	63 - 108
2-Nitroaniline	3.33	2.16		mg/Kg		65	59 - 119
2-Nitrophenol	3.33	2.22		mg/Kg		67	64 - 112
3,3'-Dichlorobenzidine	3.33	2.38		mg/Kg		71	17 - 101
3-Nitroaniline	3.33	2.23		mg/Kg		67	31 - 102
4,6-Dinitro-2-methylphenol	6.67	4.22		mg/Kg		63	44 - 136
4-Bromophenyl phenyl ether	3.33	2.33		mg/Kg		70	67 - 113
4-Chloro-3-methylphenol	3.33	2.40		mg/Kg		72	66 - 114
4-Chloroaniline	3.33	2.35		mg/Kg		70	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.26		mg/Kg		68	66 - 110
4-Methylphenol	3.33	2.37		mg/Kg		71	61 - 108
4-Nitroaniline	3.33	2.22		mg/Kg		67	50 - 110
4-Nitrophenol	6.67	4.58		mg/Kg		69	47 - 123
Acenaphthene	3.33	2.23		mg/Kg		67	53 - 110
Acenaphthylene	3.33	2.28		mg/Kg		69	64 - 108
Acetophenone	3.33	2.32		mg/Kg		70	61 - 103
Anthracene	3.33	2.30		mg/Kg		69	67 - 114
Atrazine	1.33	1.14		mg/Kg		86	44 - 145
Benzaldehyde	1.33	1.13		mg/Kg		85	43 - 150
Benzo[a]anthracene	3.33	2.17	*	mg/Kg		65	67 - 115
Benzo[a]pyrene	3.33	2.77		mg/Kg		83	73 - 123
Benzo[b]fluoranthene	3.33	2.61		mg/Kg		78	70 - 125
Benzo[g,h,i]perylene	3.33	2.46		mg/Kg		74	61 - 113
Benzo[k]fluoranthene	3.33	2.48		mg/Kg		74	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.30		mg/Kg		69	62 - 107
Bis(2-chloroethyl)ether	3.33	2.43		mg/Kg		73	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.16		mg/Kg		65	59 - 111
Butyl benzyl phthalate	3.33	2.23		mg/Kg		67	62 - 113
Caprolactam	1.33	0.971		mg/Kg		73	59 - 140
Carbazole	3.33	2.30		mg/Kg		69	64 - 113
Chrysene	3.33	2.26	*	mg/Kg		68	71 - 122
Dibenz(a,h)anthracene	3.33	2.66		mg/Kg		80	66 - 119
Dibenzofuran	3.33	2.24		mg/Kg		67	65 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-781877/2-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781877

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diethyl phthalate			3.33	2.30		mg/Kg		69	63 - 109		
Dimethyl phthalate			3.33	2.27		mg/Kg		68	65 - 109		
Di-n-butyl phthalate			3.33	2.29		mg/Kg		69	66 - 114		
Di-n-octyl phthalate			3.33	2.37		mg/Kg		71	65 - 122		
Fluoranthene			3.33	2.36		mg/Kg		71	61 - 106		
Fluorene			3.33	2.25		mg/Kg		68	65 - 109		
Hexachlorobenzene			3.33	2.39		mg/Kg		72	61 - 113		
Hexachlorobutadiene			3.33	2.44		mg/Kg		73	62 - 109		
Hexachlorocyclopentadiene			3.33	2.15		mg/Kg		65	42 - 118		
Hexachloroethane			3.33	2.28		mg/Kg		68	61 - 102		
Indeno[1,2,3-cd]pyrene			3.33	2.66		mg/Kg		80	62 - 121		
Isophorone			3.33	2.36		mg/Kg		71	63 - 107		
Naphthalene			3.33	2.28		mg/Kg		68	63 - 106		
Nitrobenzene			3.33	2.53		mg/Kg		76	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.44		mg/Kg		73	61 - 108		
N-Nitrosodiphenylamine			3.33	2.29		mg/Kg		69	67 - 113		
Pentachlorophenol			6.67	4.82		mg/Kg		72	44 - 126		
Phenanthrene			3.33	2.30		mg/Kg		69	66 - 112		
Phenol			3.33	2.28		mg/Kg		68	63 - 110		
Pyrene			3.33	2.19		mg/Kg		66	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 123*
2-Fluorobiphenyl	*65*		*14 - 103*
2-Fluorophenol (Surr)	*67*		*10 - 105*
Nitrobenzene-d5 (Surr)	*67*		*11 - 104*
Phenol-d5 (Surr)	*68*		*15 - 100*
Terphenyl-d14 (Surr)	*72*		*12 - 126*

Lab Sample ID: LCSD 460-781877/3-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.27		mg/Kg		68	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene			3.33	2.29		mg/Kg		69	64 - 110	2	30
1,4-Dioxane			3.33	2.07		mg/Kg		62	31 - 81	2	30
2,2'-oxybis[1-chloropropane]			3.33	2.19		mg/Kg		66	49 - 109	0	30
2,3,4,6-Tetrachlorophenol			3.33	2.24		mg/Kg		67	58 - 113	4	30
2,4,5-Trichlorophenol			3.33	2.29		mg/Kg		69	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	2.33		mg/Kg		70	63 - 113	1	30
2,4-Dichlorophenol			3.33	2.39		mg/Kg		72	66 - 113	1	30
2,4-Dimethylphenol			3.33	2.35		mg/Kg		70	63 - 107	0	30
2,4-Dinitrophenol			6.67	3.87		mg/Kg		58	25 - 150	1	30
2,4-Dinitrotoluene			3.33	2.42		mg/Kg		72	65 - 124	1	30
2,6-Dinitrotoluene			3.33	2.34		mg/Kg		70	67 - 121	2	30
2-Chloronaphthalene			3.33	2.24		mg/Kg		67	65 - 109	2	30
2-Chlorophenol			3.33	2.39		mg/Kg		72	63 - 106	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781877/3-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	3.33	2.33		mg/Kg		70	64 - 108	1	30
2-Methylphenol	3.33	2.45		mg/Kg		73	63 - 108	3	30
2-Nitroaniline	3.33	2.17		mg/Kg		65	59 - 119	0	30
2-Nitrophenol	3.33	2.24		mg/Kg		67	64 - 112	1	30
3,3'-Dichlorobenzidine	3.33	2.48		mg/Kg		74	17 - 101	4	30
3-Nitroaniline	3.33	2.30		mg/Kg		69	31 - 102	3	30
4,6-Dinitro-2-methylphenol	6.67	4.24		mg/Kg		64	44 - 136	0	30
4-Bromophenyl phenyl ether	3.33	2.35		mg/Kg		71	67 - 113	1	30
4-Chloro-3-methylphenol	3.33	2.36		mg/Kg		71	66 - 114	1	30
4-Chloroaniline	3.33	2.37		mg/Kg		71	20 - 98	1	30
4-Chlorophenyl phenyl ether	3.33	2.27		mg/Kg		68	66 - 110	0	30
4-Methylphenol	3.33	2.38		mg/Kg		71	61 - 108	1	30
4-Nitroaniline	3.33	2.27		mg/Kg		68	50 - 110	2	30
4-Nitrophenol	6.67	4.58		mg/Kg		69	47 - 123	0	30
Acenaphthene	3.33	2.24		mg/Kg		67	53 - 110	1	30
Acenaphthylene	3.33	2.27		mg/Kg		68	64 - 108	0	30
Acetophenone	3.33	2.35		mg/Kg		71	61 - 103	1	30
Anthracene	3.33	2.28		mg/Kg		68	67 - 114	1	30
Atrazine	1.33	1.11		mg/Kg		83	44 - 145	3	30
Benzaldehyde	1.33	1.11		mg/Kg		84	43 - 150	2	30
Benzo[a]anthracene	3.33	2.21	*	mg/Kg		66	67 - 115	2	30
Benzo[a]pyrene	3.33	2.74		mg/Kg		82	73 - 123	1	30
Benzo[b]fluoranthene	3.33	2.55		mg/Kg		76	70 - 125	2	30
Benzo[g,h,i]perylene	3.33	2.44		mg/Kg		73	61 - 113	1	30
Benzo[k]fluoranthene	3.33	2.57		mg/Kg		77	67 - 115	4	30
Bis(2-chloroethoxy)methane	3.33	2.34		mg/Kg		70	62 - 107	2	30
Bis(2-chloroethyl)ether	3.33	2.46		mg/Kg		74	60 - 107	1	30
Bis(2-ethylhexyl) phthalate	3.33	2.20		mg/Kg		66	59 - 111	2	30
Butyl benzyl phthalate	3.33	2.22		mg/Kg		67	62 - 113	1	30
Caprolactam	1.33	0.994		mg/Kg		75	59 - 140	2	30
Carbazole	3.33	2.30		mg/Kg		69	64 - 113	0	30
Chrysene	3.33	2.33	*	mg/Kg		70	71 - 122	3	30
Dibenz(a,h)anthracene	3.33	2.66		mg/Kg		80	66 - 119	0	30
Dibenzofuran	3.33	2.26		mg/Kg		68	65 - 108	1	30
Diethyl phthalate	3.33	2.26		mg/Kg		68	63 - 109	2	30
Dimethyl phthalate	3.33	2.24		mg/Kg		67	65 - 109	1	30
Di-n-butyl phthalate	3.33	2.27		mg/Kg		68	66 - 114	1	30
Di-n-octyl phthalate	3.33	2.37		mg/Kg		71	65 - 122	0	30
Fluoranthene	3.33	2.32		mg/Kg		70	61 - 106	2	30
Fluorene	3.33	2.23		mg/Kg		67	65 - 109	1	30
Hexachlorobenzene	3.33	2.44		mg/Kg		73	61 - 113	2	30
Hexachlorobutadiene	3.33	2.42		mg/Kg		73	62 - 109	1	30
Hexachlorocyclopentadiene	3.33	2.09		mg/Kg		63	42 - 118	3	30
Hexachloroethane	3.33	2.37		mg/Kg		71	61 - 102	4	30
Indeno[1,2,3-cd]pyrene	3.33	2.67		mg/Kg		80	62 - 121	1	30
Isophorone	3.33	2.40		mg/Kg		72	63 - 107	2	30
Naphthalene	3.33	2.30		mg/Kg		69	63 - 106	1	30
Nitrobenzene	3.33	2.54		mg/Kg		76	63 - 110	0	30
N-Nitrosodi-n-propylamine	3.33	2.46		mg/Kg		74	61 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-781877/3-A
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			3.33	2.24		mg/Kg		67	67 - 113	2	30
Pentachlorophenol			6.67	4.86		mg/Kg		73	44 - 126	1	30
Phenanthrene			3.33	2.27		mg/Kg		68	66 - 112	1	30
Phenol			3.33	2.31		mg/Kg		69	63 - 110	2	30
Pyrene			3.33	2.22		mg/Kg		67	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 123*
2-Fluorobiphenyl	*64*		*14 - 103*
2-Fluorophenol (Surr)	*68*		*10 - 105*
Nitrobenzene-d5 (Surr)	*67*		*11 - 104*
Phenol-d5 (Surr)	*68*		*15 - 100*
Terphenyl-d14 (Surr)	*74*		*12 - 126*

Lab Sample ID: 460-235634-A-5-A MS
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.050	J	5.95	3.82	*	mg/Kg	☼	63	65 - 110
1,2,4,5-Tetrachlorobenzene	0.59	U	5.95	3.87		mg/Kg	☼	65	64 - 110
1,4-Dioxane	0.059	U	5.95	3.15		mg/Kg	☼	53	31 - 81
2,2'-oxybis[1-chloropropane]	0.59	U	5.95	3.51		mg/Kg	☼	59	49 - 109
2,3,4,6-Tetrachlorophenol	0.59	U	5.95	3.83		mg/Kg	☼	64	58 - 113
2,4,5-Trichlorophenol	0.59	U	5.95	3.78	*	mg/Kg	☼	63	64 - 112
2,4,6-Trichlorophenol	0.24	U	5.95	3.91		mg/Kg	☼	66	63 - 113
2,4-Dichlorophenol	0.24	U	5.95	4.00		mg/Kg	☼	67	66 - 113
2,4-Dimethylphenol	0.59	U	5.95	3.94		mg/Kg	☼	66	63 - 107
2,4-Dinitrophenol	0.48	U	11.9	2.36	*	mg/Kg	☼	20	25 - 150
2,4-Dinitrotoluene	0.12	U	5.95	3.90		mg/Kg	☼	66	65 - 124
2,6-Dinitrotoluene	0.12	U	5.95	3.82	*	mg/Kg	☼	64	67 - 121
2-Chloronaphthalene	0.59	U	5.95	3.83	*	mg/Kg	☼	64	65 - 109
2-Chlorophenol	0.59	U	5.95	3.88		mg/Kg	☼	65	63 - 106
2-Methylnaphthalene	0.32	J	5.95	4.16		mg/Kg	☼	64	64 - 108
2-Methylphenol	0.59	U	5.95	3.95		mg/Kg	☼	66	63 - 108
2-Nitroaniline	0.59	U	5.95	3.53		mg/Kg	☼	59	59 - 119
2-Nitrophenol	0.59	U	5.95	3.48	*	mg/Kg	☼	58	64 - 112
3,3'-Dichlorobenzidine	0.24	U	5.95	1.80		mg/Kg	☼	30	17 - 101
3-Nitroaniline	0.59	U	5.95	3.58		mg/Kg	☼	60	31 - 102
4,6-Dinitro-2-methylphenol	0.48	U	11.9	3.15	*	mg/Kg	☼	26	44 - 136
4-Bromophenyl phenyl ether	0.59	U	5.95	3.96	*	mg/Kg	☼	66	67 - 113
4-Chloro-3-methylphenol	0.59	U	5.95	3.96		mg/Kg	☼	66	66 - 114
4-Chloroaniline	0.59	U	5.95	3.60		mg/Kg	☼	61	20 - 98
4-Chlorophenyl phenyl ether	0.59	U	5.95	3.82	*	mg/Kg	☼	64	66 - 110
4-Methylphenol	0.59	U	5.95	4.00		mg/Kg	☼	67	61 - 108
4-Nitroaniline	0.59	U	5.95	3.44		mg/Kg	☼	58	50 - 110
4-Nitrophenol	1.2	U	11.9	7.63		mg/Kg	☼	64	47 - 123
Acenaphthene	0.59	U	5.95	3.89		mg/Kg	☼	65	53 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235634-A-5-A MS
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	0.067	J	5.95	3.83	*	mg/Kg	☼	63	64 - 108
Acetophenone	0.59	U	5.95	3.83		mg/Kg	☼	64	61 - 103
Anthracene	0.29	J	5.95	4.02	*	mg/Kg	☼	63	67 - 114
Atrazine	0.24	U	2.38	1.90		mg/Kg	☼	80	44 - 145
Benzaldehyde	0.59	U	2.38	1.84		mg/Kg	☼	77	43 - 150
Benzo[a]anthracene	0.97	*	5.95	4.58	*	mg/Kg	☼	61	67 - 115
Benzo[a]pyrene	1.2		5.95	5.67		mg/Kg	☼	75	73 - 123
Benzo[b]fluoranthene	1.3		5.95	5.64		mg/Kg	☼	72	70 - 125
Benzo[g,h,i]perylene	0.75		5.95	4.85		mg/Kg	☼	69	61 - 113
Benzo[k]fluoranthene	0.52		5.95	4.60		mg/Kg	☼	68	67 - 115
Bis(2-chloroethoxy)methane	0.59	U	5.95	3.71		mg/Kg	☼	62	62 - 107
Bis(2-chloroethyl)ether	0.059	U	5.95	3.88		mg/Kg	☼	65	60 - 107
Bis(2-ethylhexyl) phthalate	0.59	U	5.95	3.58		mg/Kg	☼	60	59 - 111
Butyl benzyl phthalate	0.59	U	5.95	3.67		mg/Kg	☼	62	62 - 113
Caprolactam	0.59	U	2.38	1.53		mg/Kg	☼	64	59 - 140
Carbazole	0.15	J	5.95	3.88	*	mg/Kg	☼	63	64 - 113
Chrysene	1.0	*	5.95	4.59	*	mg/Kg	☼	60	71 - 122
Dibenz(a,h)anthracene	0.16		5.95	4.72		mg/Kg	☼	77	66 - 119
Dibenzofuran	0.15	J	5.95	3.93	*	mg/Kg	☼	64	65 - 108
Diethyl phthalate	0.59	U	5.95	3.78		mg/Kg	☼	64	63 - 109
Dimethyl phthalate	0.59	U	5.95	3.74	*	mg/Kg	☼	63	65 - 109
Di-n-butyl phthalate	0.59	U	5.95	3.80	*	mg/Kg	☼	64	66 - 114
Di-n-octyl phthalate	0.59	U	5.95	3.91		mg/Kg	☼	66	65 - 122
Fluoranthene	1.9		5.95	5.56		mg/Kg	☼	62	61 - 106
Fluorene	0.17	J	5.95	3.88	*	mg/Kg	☼	62	65 - 109
Hexachlorobenzene	0.059	U	5.95	4.01		mg/Kg	☼	67	61 - 113
Hexachlorobutadiene	0.12	U	5.95	3.92		mg/Kg	☼	66	62 - 109
Hexachlorocyclopentadiene	0.59	U	5.95	2.82		mg/Kg	☼	47	42 - 118
Hexachloroethane	0.059	U	5.95	3.72		mg/Kg	☼	63	61 - 102
Indeno[1,2,3-cd]pyrene	0.82		5.95	5.36		mg/Kg	☼	76	62 - 121
Isophorone	0.24	U	5.95	3.85		mg/Kg	☼	65	63 - 107
Naphthalene	0.39	J	5.95	4.10	*	mg/Kg	☼	62	63 - 106
Nitrobenzene	0.059	U	5.95	4.05		mg/Kg	☼	68	63 - 110
N-Nitrosodi-n-propylamine	0.059	U	5.95	4.00		mg/Kg	☼	67	61 - 108
N-Nitrosodiphenylamine	0.59	U	5.95	3.74	*	mg/Kg	☼	63	67 - 113
Pentachlorophenol	0.48	U	11.9	8.06		mg/Kg	☼	68	44 - 126
Phenanthrene	1.7		5.95	5.22	*	mg/Kg	☼	60	66 - 112
Phenol	0.59	U	5.95	3.83		mg/Kg	☼	64	63 - 110
Pyrene	1.7		5.95	5.17	*	mg/Kg	☼	58	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 123*
2-Fluorobiphenyl	*61*		*14 - 103*
2-Fluorophenol (Surr)	*61*		*10 - 105*
Nitrobenzene-d5 (Surr)	*59*		*11 - 104*
Phenol-d5 (Surr)	*63*		*15 - 100*
Terphenyl-d14 (Surr)	*68*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235634-A-5-B MSD
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.050	J	5.95	3.94		mg/Kg	☼	65	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene	0.59	U	5.95	3.99		mg/Kg	☼	67	64 - 110	3	30
1,4-Dioxane	0.059	U	5.95	3.08		mg/Kg	☼	52	31 - 81	2	30
2,2'-oxybis[1-chloropropane]	0.59	U	5.95	3.55		mg/Kg	☼	60	49 - 109	1	30
2,3,4,6-Tetrachlorophenol	0.59	U	5.95	3.92		mg/Kg	☼	66	58 - 113	2	30
2,4,5-Trichlorophenol	0.59	U	5.95	3.91		mg/Kg	☼	66	64 - 112	4	30
2,4,6-Trichlorophenol	0.24	U	5.95	4.09		mg/Kg	☼	69	63 - 113	5	30
2,4-Dichlorophenol	0.24	U	5.95	4.14		mg/Kg	☼	70	66 - 113	3	30
2,4-Dimethylphenol	0.59	U	5.95	4.02		mg/Kg	☼	68	63 - 107	2	30
2,4-Dinitrophenol	0.48	U	11.9	1.19	*	mg/Kg	☼	10	25 - 150	66	30
2,4-Dinitrotoluene	0.12	U	5.95	4.02		mg/Kg	☼	68	65 - 124	3	30
2,6-Dinitrotoluene	0.12	U	5.95	3.95	*	mg/Kg	☼	66	67 - 121	4	30
2-Chloronaphthalene	0.59	U	5.95	3.89		mg/Kg	☼	65	65 - 109	2	30
2-Chlorophenol	0.59	U	5.95	3.92		mg/Kg	☼	66	63 - 106	1	30
2-Methylnaphthalene	0.32	J	5.95	4.28		mg/Kg	☼	66	64 - 108	3	30
2-Methylphenol	0.59	U	5.95	4.06		mg/Kg	☼	68	63 - 108	3	30
2-Nitroaniline	0.59	U	5.95	3.65		mg/Kg	☼	61	59 - 119	3	30
2-Nitrophenol	0.59	U	5.95	3.60	*	mg/Kg	☼	60	64 - 112	3	30
3,3'-Dichlorobenzidine	0.24	U	5.95	2.23		mg/Kg	☼	37	17 - 101	21	30
3-Nitroaniline	0.59	U	5.95	3.67		mg/Kg	☼	62	31 - 102	2	30
4,6-Dinitro-2-methylphenol	0.48	U	11.9	1.60	*	mg/Kg	☼	13	44 - 136	65	30
4-Bromophenyl phenyl ether	0.59	U	5.95	4.06		mg/Kg	☼	68	67 - 113	3	30
4-Chloro-3-methylphenol	0.59	U	5.95	4.08		mg/Kg	☼	69	66 - 114	3	30
4-Chloroaniline	0.59	U	5.95	3.72		mg/Kg	☼	63	20 - 98	3	30
4-Chlorophenyl phenyl ether	0.59	U	5.95	3.87	*	mg/Kg	☼	65	66 - 110	1	30
4-Methylphenol	0.59	U	5.95	4.02		mg/Kg	☼	67	61 - 108	0	30
4-Nitroaniline	0.59	U	5.95	3.53		mg/Kg	☼	59	50 - 110	3	30
4-Nitrophenol	1.2	U	11.9	7.88		mg/Kg	☼	66	47 - 123	3	30
Acenaphthene	0.59	U	5.95	4.01		mg/Kg	☼	67	53 - 110	3	30
Acenaphthylene	0.067	J	5.95	4.01		mg/Kg	☼	66	64 - 108	5	30
Acetophenone	0.59	U	5.95	3.88		mg/Kg	☼	65	61 - 103	1	30
Anthracene	0.29	J	5.95	4.04	*	mg/Kg	☼	63	67 - 114	1	30
Atrazine	0.24	U	2.38	1.86		mg/Kg	☼	78	44 - 145	2	30
Benzaldehyde	0.59	U	2.38	1.80		mg/Kg	☼	76	43 - 150	2	30
Benzo[a]anthracene	0.97	*	5.95	4.75	*	mg/Kg	☼	64	67 - 115	4	30
Benzo[a]pyrene	1.2		5.95	5.88		mg/Kg	☼	78	73 - 123	4	30
Benzo[b]fluoranthene	1.3		5.95	5.64		mg/Kg	☼	72	70 - 125	0	30
Benzo[g,h,i]perylene	0.75		5.95	4.94		mg/Kg	☼	70	61 - 113	2	30
Benzo[k]fluoranthene	0.52		5.95	4.79		mg/Kg	☼	72	67 - 115	4	30
Bis(2-chloroethoxy)methane	0.59	U	5.95	3.83		mg/Kg	☼	64	62 - 107	3	30
Bis(2-chloroethyl)ether	0.059	U	5.95	4.01		mg/Kg	☼	67	60 - 107	3	30
Bis(2-ethylhexyl) phthalate	0.59	U	5.95	3.75		mg/Kg	☼	63	59 - 111	5	30
Butyl benzyl phthalate	0.59	U	5.95	3.79		mg/Kg	☼	64	62 - 113	3	30
Caprolactam	0.59	U	2.38	1.73		mg/Kg	☼	73	59 - 140	12	30
Carbazole	0.15	J	5.95	3.94		mg/Kg	☼	64	64 - 113	2	30
Chrysene	1.0	*	5.95	4.87	*	mg/Kg	☼	64	71 - 122	6	30
Dibenz(a,h)anthracene	0.16		5.95	4.82		mg/Kg	☼	78	66 - 119	2	30
Dibenzofuran	0.15	J	5.95	3.96	*	mg/Kg	☼	64	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235634-A-5-B MSD
Matrix: Solid
Analysis Batch: 781858

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate	0.59	U	5.95	3.86		mg/Kg	☼	65	63 - 109	2	30
Dimethyl phthalate	0.59	U	5.95	3.80	*	mg/Kg	☼	64	65 - 109	2	30
Di-n-butyl phthalate	0.59	U	5.95	3.90	*	mg/Kg	☼	65	66 - 114	2	30
Di-n-octyl phthalate	0.59	U	5.95	3.97		mg/Kg	☼	67	65 - 122	2	30
Fluoranthene	1.9		5.95	5.49		mg/Kg	☼	61	61 - 106	1	30
Fluorene	0.17	J	5.95	3.93	*	mg/Kg	☼	63	65 - 109	1	30
Hexachlorobenzene	0.059	U	5.95	4.08		mg/Kg	☼	69	61 - 113	2	30
Hexachlorobutadiene	0.12	U	5.95	4.09		mg/Kg	☼	69	62 - 109	4	30
Hexachlorocyclopentadiene	0.59	U	5.95	2.38	*	mg/Kg	☼	40	42 - 118	17	30
Hexachloroethane	0.059	U	5.95	3.77		mg/Kg	☼	63	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	0.82		5.95	5.70		mg/Kg	☼	82	62 - 121	6	30
Isophorone	0.24	U	5.95	3.99		mg/Kg	☼	67	63 - 107	3	30
Naphthalene	0.39	J	5.95	4.17		mg/Kg	☼	63	63 - 106	2	30
Nitrobenzene	0.059	U	5.95	4.05		mg/Kg	☼	68	63 - 110	0	30
N-Nitrosodi-n-propylamine	0.059	U	5.95	3.97		mg/Kg	☼	67	61 - 108	1	30
N-Nitrosodiphenylamine	0.59	U	5.95	3.85	*	mg/Kg	☼	65	67 - 113	3	30
Pentachlorophenol	0.48	U	11.9	8.34		mg/Kg	☼	70	44 - 126	3	30
Phenanthrene	1.7		5.95	5.08	*	mg/Kg	☼	57	66 - 112	3	30
Phenol	0.59	U	5.95	3.85		mg/Kg	☼	65	63 - 110	0	30
Pyrene	1.7		5.95	5.23	*	mg/Kg	☼	59	61 - 111	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 123*
2-Fluorobiphenyl	*63*		*14 - 103*
2-Fluorophenol (Surr)	*61*		*10 - 105*
Nitrobenzene-d5 (Surr)	*61*		*11 - 104*
Phenol-d5 (Surr)	*65*		*15 - 100*
Terphenyl-d14 (Surr)	*69*		*12 - 126*

Lab Sample ID: MB 460-782252/1-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782252/1-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/04/21 10:16	06/04/21 20:10	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782252/1-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 10:16	06/04/21 20:10	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/04/21 10:16	06/04/21 20:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/04/21 10:16*	*06/04/21 20:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*121*		*10 - 123*	*06/04/21 10:16*	*06/04/21 20:10*	*1*
2-Fluorobiphenyl	*89*		*14 - 103*	*06/04/21 10:16*	*06/04/21 20:10*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 105*	*06/04/21 10:16*	*06/04/21 20:10*	*1*
Nitrobenzene-d5 (Surr)	*88*		*11 - 104*	*06/04/21 10:16*	*06/04/21 20:10*	*1*
Phenol-d5 (Surr)	*80*		*15 - 100*	*06/04/21 10:16*	*06/04/21 20:10*	*1*
Terphenyl-d14 (Surr)	*114*		*12 - 126*	*06/04/21 10:16*	*06/04/21 20:10*	*1*

Lab Sample ID: LCS 460-782252/2-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.87		mg/Kg		86	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.02		mg/Kg		91	64 - 110
1,4-Dioxane	3.33	2.18		mg/Kg		65	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.14		mg/Kg		64	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	3.22		mg/Kg		97	58 - 113
2,4,5-Trichlorophenol	3.33	3.03		mg/Kg		91	64 - 112
2,4,6-Trichlorophenol	3.33	3.06		mg/Kg		92	63 - 113
2,4-Dichlorophenol	3.33	3.11		mg/Kg		93	66 - 113
2,4-Dimethylphenol	3.33	2.79		mg/Kg		84	63 - 107
2,4-Dinitrophenol	6.67	8.58		mg/Kg		129	25 - 150
2,4-Dinitrotoluene	3.33	3.76		mg/Kg		113	65 - 124
2,6-Dinitrotoluene	3.33	4.01		mg/Kg		120	67 - 121
2-Chloronaphthalene	3.33	2.90		mg/Kg		87	65 - 109
2-Chlorophenol	3.33	2.79		mg/Kg		84	63 - 106
2-Methylnaphthalene	3.33	2.99		mg/Kg		90	64 - 108
2-Methylphenol	3.33	2.82		mg/Kg		84	63 - 108
2-Nitroaniline	3.33	2.60		mg/Kg		78	59 - 119
2-Nitrophenol	3.33	3.59		mg/Kg		108	64 - 112
3,3'-Dichlorobenzidine	3.33	3.25		mg/Kg		98	17 - 101
3-Nitroaniline	3.33	3.21		mg/Kg		96	31 - 102
4,6-Dinitro-2-methylphenol	6.67	8.95		mg/Kg		134	44 - 136
4-Bromophenyl phenyl ether	3.33	3.18		mg/Kg		96	67 - 113
4-Chloro-3-methylphenol	3.33	3.07		mg/Kg		92	66 - 114
4-Chloroaniline	3.33	2.81		mg/Kg		84	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.16		mg/Kg		95	66 - 110
4-Methylphenol	3.33	2.51		mg/Kg		75	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782252/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 782355
Prep Batch: 782252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	3.33	2.97		mg/Kg		89	50 - 110
4-Nitrophenol	6.67	5.06		mg/Kg		76	47 - 123
Acenaphthene	3.33	2.68		mg/Kg		80	53 - 110
Acenaphthylene	3.33	2.86		mg/Kg		86	64 - 108
Acetophenone	3.33	2.73		mg/Kg		82	61 - 103
Anthracene	3.33	3.01		mg/Kg		90	67 - 114
Atrazine	1.33	1.86		mg/Kg		140	44 - 145
Benzaldehyde	1.33	1.33		mg/Kg		100	43 - 150
Benzo[a]anthracene	3.33	2.93		mg/Kg		88	67 - 115
Benzo[a]pyrene	3.33	3.60		mg/Kg		108	73 - 123
Benzo[b]fluoranthene	3.33	3.34		mg/Kg		100	70 - 125
Benzo[g,h,i]perylene	3.33	3.16		mg/Kg		95	61 - 113
Benzo[k]fluoranthene	3.33	3.71		mg/Kg		111	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.62		mg/Kg		79	62 - 107
Bis(2-chloroethyl)ether	3.33	2.65		mg/Kg		80	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.77		mg/Kg		83	59 - 111
Butyl benzyl phthalate	3.33	2.86		mg/Kg		86	62 - 113
Caprolactam	1.33	1.74		mg/Kg		131	59 - 140
Carbazole	3.33	2.89		mg/Kg		87	64 - 113
Chrysene	3.33	3.00		mg/Kg		90	71 - 122
Dibenz(a,h)anthracene	3.33	3.34		mg/Kg		100	66 - 119
Dibenzofuran	3.33	3.00		mg/Kg		90	65 - 108
Diethyl phthalate	3.33	2.91		mg/Kg		87	63 - 109
Dimethyl phthalate	3.33	2.99		mg/Kg		90	65 - 109
Di-n-butyl phthalate	3.33	2.89		mg/Kg		87	66 - 114
Di-n-octyl phthalate	3.33	3.15		mg/Kg		94	65 - 122
Fluoranthene	3.33	3.14		mg/Kg		94	61 - 106
Fluorene	3.33	2.97		mg/Kg		89	65 - 109
Hexachlorobenzene	3.33	3.42		mg/Kg		103	61 - 113
Hexachlorobutadiene	3.33	3.30		mg/Kg		99	62 - 109
Hexachlorocyclopentadiene	3.33	2.76		mg/Kg		83	42 - 118
Hexachloroethane	3.33	2.98		mg/Kg		89	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.60		mg/Kg		108	62 - 121
Isophorone	3.33	2.77		mg/Kg		83	63 - 107
Naphthalene	3.33	2.89		mg/Kg		87	63 - 106
Nitrobenzene	3.33	3.06		mg/Kg		92	63 - 110
N-Nitrosodi-n-propylamine	3.33	2.63		mg/Kg		79	61 - 108
N-Nitrosodiphenylamine	3.33	2.92		mg/Kg		88	67 - 113
Pentachlorophenol	6.67	6.00		mg/Kg		90	44 - 126
Phenanthrene	3.33	2.96		mg/Kg		89	66 - 112
Phenol	3.33	2.80		mg/Kg		84	63 - 110
Pyrene	3.33	2.85		mg/Kg		86	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*125*	*	*10 - 123*
2-Fluorobiphenyl	*90*		*14 - 103*
2-Fluorophenol (Surr)	*76*		*10 - 105*
Nitrobenzene-d5 (Surr)	*90*		*11 - 104*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782252/2-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782252

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*81*		*15 - 100*
Terphenyl-d14 (Surr)	*103*		*12 - 126*

Lab Sample ID: LCSD 460-782252/3-A
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.04		mg/Kg		91	65 - 110	6	30
1,2,4,5-Tetrachlorobenzene			3.33	3.18		mg/Kg		95	64 - 110	5	30
1,4-Dioxane			3.33	2.32		mg/Kg		70	31 - 81	6	30
2,2'-oxybis[1-chloropropane]			3.33	2.27		mg/Kg		68	49 - 109	6	30
2,3,4,6-Tetrachlorophenol			3.33	3.45		mg/Kg		104	58 - 113	7	30
2,4,5-Trichlorophenol			3.33	3.13		mg/Kg		94	64 - 112	3	30
2,4,6-Trichlorophenol			3.33	3.20		mg/Kg		96	63 - 113	5	30
2,4-Dichlorophenol			3.33	3.25		mg/Kg		98	66 - 113	5	30
2,4-Dimethylphenol			3.33	3.00		mg/Kg		90	63 - 107	7	30
2,4-Dinitrophenol			6.67	9.67		mg/Kg		145	25 - 150	12	30
2,4-Dinitrotoluene			3.33	4.01		mg/Kg		120	65 - 124	7	30
2,6-Dinitrotoluene			3.33	4.24	*	mg/Kg		127	67 - 121	6	30
2-Chloronaphthalene			3.33	3.05		mg/Kg		91	65 - 109	5	30
2-Chlorophenol			3.33	2.93		mg/Kg		88	63 - 106	5	30
2-Methylnaphthalene			3.33	3.21		mg/Kg		96	64 - 108	7	30
2-Methylphenol			3.33	2.93		mg/Kg		88	63 - 108	4	30
2-Nitroaniline			3.33	2.73		mg/Kg		82	59 - 119	5	30
2-Nitrophenol			3.33	3.89	*	mg/Kg		117	64 - 112	8	30
3,3'-Dichlorobenzidine			3.33	3.51	*	mg/Kg		105	17 - 101	8	30
3-Nitroaniline			3.33	3.53	*	mg/Kg		106	31 - 102	10	30
4,6-Dinitro-2-methylphenol			6.67	9.52	*	mg/Kg		143	44 - 136	6	30
4-Bromophenyl phenyl ether			3.33	3.35		mg/Kg		101	67 - 113	5	30
4-Chloro-3-methylphenol			3.33	3.28		mg/Kg		98	66 - 114	7	30
4-Chloroaniline			3.33	3.03		mg/Kg		91	20 - 98	7	30
4-Chlorophenyl phenyl ether			3.33	3.38		mg/Kg		101	66 - 110	7	30
4-Methylphenol			3.33	2.50		mg/Kg		75	61 - 108	0	30
4-Nitroaniline			3.33	3.16		mg/Kg		95	50 - 110	6	30
4-Nitrophenol			6.67	5.68		mg/Kg		85	47 - 123	12	30
Acenaphthene			3.33	2.80		mg/Kg		84	53 - 110	4	30
Acenaphthylene			3.33	3.05		mg/Kg		92	64 - 108	7	30
Acetophenone			3.33	2.90		mg/Kg		87	61 - 103	6	30
Anthracene			3.33	3.17		mg/Kg		95	67 - 114	5	30
Atrazine			1.33	1.83		mg/Kg		137	44 - 145	2	30
Benzaldehyde			1.33	1.34		mg/Kg		101	43 - 150	1	30
Benzo[a]anthracene			3.33	3.18		mg/Kg		95	67 - 115	8	30
Benzo[a]pyrene			3.33	3.87		mg/Kg		116	73 - 123	7	30
Benzo[b]fluoranthene			3.33	3.95		mg/Kg		119	70 - 125	17	30
Benzo[g,h,i]perylene			3.33	3.39		mg/Kg		102	61 - 113	7	30
Benzo[k]fluoranthene			3.33	3.62		mg/Kg		109	67 - 115	2	30
Bis(2-chloroethoxy)methane			3.33	2.82		mg/Kg		85	62 - 107	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782252/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 782355
Prep Batch: 782252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether			3.33	2.83		mg/Kg		85	60 - 107	7	30
Bis(2-ethylhexyl) phthalate			3.33	2.94		mg/Kg		88	59 - 111	6	30
Butyl benzyl phthalate			3.33	3.04		mg/Kg		91	62 - 113	6	30
Caprolactam			1.33	1.70		mg/Kg		128	59 - 140	2	30
Carbazole			3.33	3.11		mg/Kg		93	64 - 113	7	30
Chrysene			3.33	3.22		mg/Kg		96	71 - 122	7	30
Dibenz(a,h)anthracene			3.33	3.67		mg/Kg		110	66 - 119	9	30
Dibenzofuran			3.33	3.15		mg/Kg		95	65 - 108	5	30
Diethyl phthalate			3.33	3.13		mg/Kg		94	63 - 109	7	30
Dimethyl phthalate			3.33	3.14		mg/Kg		94	65 - 109	5	30
Di-n-butyl phthalate			3.33	3.08		mg/Kg		93	66 - 114	6	30
Di-n-octyl phthalate			3.33	3.40		mg/Kg		102	65 - 122	8	30
Fluoranthene			3.33	3.42		mg/Kg		103	61 - 106	8	30
Fluorene			3.33	3.18		mg/Kg		95	65 - 109	7	30
Hexachlorobenzene			3.33	3.62		mg/Kg		109	61 - 113	6	30
Hexachlorobutadiene			3.33	3.56		mg/Kg		107	62 - 109	7	30
Hexachlorocyclopentadiene			3.33	2.90		mg/Kg		87	42 - 118	5	30
Hexachloroethane			3.33	3.09		mg/Kg		93	61 - 102	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.88		mg/Kg		116	62 - 121	8	30
Isophorone			3.33	2.98		mg/Kg		89	63 - 107	7	30
Naphthalene			3.33	3.10		mg/Kg		93	63 - 106	7	30
Nitrobenzene			3.33	3.32		mg/Kg		100	63 - 110	8	30
N-Nitrosodi-n-propylamine			3.33	2.81		mg/Kg		84	61 - 108	7	30
N-Nitrosodiphenylamine			3.33	3.07		mg/Kg		92	67 - 113	5	30
Pentachlorophenol			6.67	6.56		mg/Kg		98	44 - 126	9	30
Phenanthrene			3.33	3.16		mg/Kg		95	66 - 112	6	30
Phenol			3.33	2.97		mg/Kg		89	63 - 110	6	30
Pyrene			3.33	3.03		mg/Kg		91	61 - 111	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*131*	*	*10 - 123*
2-Fluorobiphenyl	*92*		*14 - 103*
2-Fluorophenol (Surr)	*77*		*10 - 105*
Nitrobenzene-d5 (Surr)	*94*		*11 - 104*
Phenol-d5 (Surr)	*85*		*15 - 100*
Terphenyl-d14 (Surr)	*109*		*12 - 126*

Lab Sample ID: 460-235670-A-1-A MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 782355
Prep Batch: 782252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.35	U	3.49	2.57		mg/Kg	☼	74	65 - 110
1,2,4,5-Tetrachlorobenzene	0.35	U	3.49	2.73		mg/Kg	☼	78	64 - 110
1,4-Dioxane	0.035	U	3.49	1.70		mg/Kg	☼	49	31 - 81
2,2'-oxybis[1-chloropropane]	0.35	U	3.49	1.95		mg/Kg	☼	56	49 - 109
2,3,4,6-Tetrachlorophenol	0.35	U	3.49	3.00		mg/Kg	☼	86	58 - 113
2,4,5-Trichlorophenol	0.35	U	3.49	2.63		mg/Kg	☼	75	64 - 112

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235670-A-1-A MS
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	0.14	U	3.49	2.71		mg/Kg	☼	78	63 - 113
2,4-Dichlorophenol	0.14	U	3.49	2.74		mg/Kg	☼	78	66 - 113
2,4-Dimethylphenol	0.35	U	3.49	2.48		mg/Kg	☼	71	63 - 107
2,4-Dinitrophenol	0.28	U	6.98	6.99		mg/Kg	☼	100	25 - 150
2,4-Dinitrotoluene	0.070	U	3.49	3.31		mg/Kg	☼	95	65 - 124
2,6-Dinitrotoluene	0.070	U *	3.49	3.51		mg/Kg	☼	101	67 - 121
2-Chloronaphthalene	0.35	U	3.49	2.60		mg/Kg	☼	74	65 - 109
2-Chlorophenol	0.35	U	3.49	2.42		mg/Kg	☼	69	63 - 106
2-Methylnaphthalene	0.35	U	3.49	2.67		mg/Kg	☼	77	64 - 108
2-Methylphenol	0.35	U	3.49	2.51		mg/Kg	☼	72	63 - 108
2-Nitroaniline	0.35	U	3.49	2.32		mg/Kg	☼	66	59 - 119
2-Nitrophenol	0.35	U *	3.49	3.26		mg/Kg	☼	93	64 - 112
3,3'-Dichlorobenzidine	0.14	U *	3.49	2.83		mg/Kg	☼	81	17 - 101
3-Nitroaniline	0.35	U *	3.49	2.84		mg/Kg	☼	81	31 - 102
4,6-Dinitro-2-methylphenol	0.28	U *	6.98	7.90		mg/Kg	☼	113	44 - 136
4-Bromophenyl phenyl ether	0.35	U	3.49	2.89		mg/Kg	☼	83	67 - 113
4-Chloro-3-methylphenol	0.35	U	3.49	2.73		mg/Kg	☼	78	66 - 114
4-Chloroaniline	0.35	U	3.49	2.46		mg/Kg	☼	71	20 - 98
4-Chlorophenyl phenyl ether	0.35	U	3.49	2.82		mg/Kg	☼	81	66 - 110
4-Methylphenol	0.35	U	3.49	2.23		mg/Kg	☼	64	61 - 108
4-Nitroaniline	0.35	U	3.49	2.61		mg/Kg	☼	75	50 - 110
4-Nitrophenol	0.70	U	6.98	4.62		mg/Kg	☼	66	47 - 123
Acenaphthene	0.35	U	3.49	2.38		mg/Kg	☼	68	53 - 110
Acenaphthylene	0.030	J	3.49	2.61		mg/Kg	☼	74	64 - 108
Acetophenone	0.35	U	3.49	2.42		mg/Kg	☼	69	61 - 103
Anthracene	0.35	U	3.49	2.78		mg/Kg	☼	80	67 - 114
Atrazine	0.14	U	1.40	1.96		mg/Kg	☼	140	44 - 145
Benzaldehyde	0.35	U	1.40	1.45	E	mg/Kg	☼	104	43 - 150
Benzo[a]anthracene	0.086		3.49	2.83		mg/Kg	☼	79	67 - 115
Benzo[a]pyrene	0.11		3.49	3.39		mg/Kg	☼	94	73 - 123
Benzo[b]fluoranthene	0.13		3.49	3.51		mg/Kg	☼	97	70 - 125
Benzo[g,h,i]perylene	0.073	J	3.49	3.08		mg/Kg	☼	86	61 - 113
Benzo[k]fluoranthene	0.061		3.49	3.19		mg/Kg	☼	90	67 - 115
Bis(2-chloroethoxy)methane	0.35	U	3.49	2.25		mg/Kg	☼	65	62 - 107
Bis(2-chloroethyl)ether	0.035	U	3.49	2.35		mg/Kg	☼	67	60 - 107
Bis(2-ethylhexyl) phthalate	0.35	U	3.49	2.56		mg/Kg	☼	73	59 - 111
Butyl benzyl phthalate	0.35	U	3.49	2.60		mg/Kg	☼	74	62 - 113
Caprolactam	0.35	U	1.40	1.79	E	mg/Kg	☼	128	59 - 140
Carbazole	0.35	U	3.49	2.68		mg/Kg	☼	77	64 - 113
Chrysene	0.10	J	3.49	2.88		mg/Kg	☼	80	71 - 122
Dibenz(a,h)anthracene	0.024	J	3.49	3.12		mg/Kg	☼	89	66 - 119
Dibenzofuran	0.35	U	3.49	2.65		mg/Kg	☼	76	65 - 108
Diethyl phthalate	0.35	U	3.49	2.61		mg/Kg	☼	75	63 - 109
Dimethyl phthalate	0.35	U	3.49	2.65		mg/Kg	☼	76	65 - 109
Di-n-butyl phthalate	0.35	U	3.49	2.58		mg/Kg	☼	74	66 - 114
Di-n-octyl phthalate	0.35	U	3.49	2.89		mg/Kg	☼	83	65 - 122
Fluoranthene	0.15	J	3.49	3.12		mg/Kg	☼	85	61 - 106
Fluorene	0.35	U	3.49	2.69		mg/Kg	☼	77	65 - 109
Hexachlorobenzene	0.035	U	3.49	3.05		mg/Kg	☼	87	61 - 113

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235670-A-1-A MS
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	0.070	U	3.49	2.97		mg/Kg	☼	85	62 - 109
Hexachlorocyclopentadiene	0.35	U	3.49	2.34		mg/Kg	☼	67	42 - 118
Hexachloroethane	0.035	U	3.49	2.54		mg/Kg	☼	73	61 - 102
Indeno[1,2,3-cd]pyrene	0.077		3.49	3.34		mg/Kg	☼	94	62 - 121
Isophorone	0.14	U	3.49	2.45		mg/Kg	☼	70	63 - 107
Naphthalene	0.35	U	3.49	2.56		mg/Kg	☼	73	63 - 106
Nitrobenzene	0.035	U	3.49	2.78		mg/Kg	☼	80	63 - 110
N-Nitrosodi-n-propylamine	0.035	U	3.49	2.34		mg/Kg	☼	67	61 - 108
N-Nitrosodiphenylamine	0.35	U	3.49	2.63		mg/Kg	☼	75	67 - 113
Pentachlorophenol	0.28	U	6.98	5.58		mg/Kg	☼	80	44 - 126
Phenanthrene	0.051	J	3.49	2.76		mg/Kg	☼	78	66 - 112
Phenol	0.35	U	3.49	2.44		mg/Kg	☼	70	63 - 110
Pyrene	0.15	J	3.49	2.94		mg/Kg	☼	80	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*10 - 123*
2-Fluorobiphenyl	*78*		*14 - 103*
2-Fluorophenol (Surr)	*62*		*10 - 105*
Nitrobenzene-d5 (Surr)	*78*		*11 - 104*
Phenol-d5 (Surr)	*69*		*15 - 100*
Terphenyl-d14 (Surr)	*95*		*12 - 126*

Lab Sample ID: 460-235670-A-1-B MSD
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.49	2.43		mg/Kg	☼	70	65 - 110	6	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.49	2.62		mg/Kg	☼	75	64 - 110	4	30
1,4-Dioxane	0.035	U	3.49	1.59		mg/Kg	☼	46	31 - 81	6	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.49	1.86		mg/Kg	☼	53	49 - 109	5	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.49	2.99		mg/Kg	☼	86	58 - 113	1	30
2,4,5-Trichlorophenol	0.35	U	3.49	2.68		mg/Kg	☼	77	64 - 112	2	30
2,4,6-Trichlorophenol	0.14	U	3.49	2.69		mg/Kg	☼	77	63 - 113	0	30
2,4-Dichlorophenol	0.14	U	3.49	2.64		mg/Kg	☼	76	66 - 113	4	30
2,4-Dimethylphenol	0.35	U	3.49	2.40		mg/Kg	☼	69	63 - 107	3	30
2,4-Dinitrophenol	0.28	U	6.98	7.53		mg/Kg	☼	108	25 - 150	7	30
2,4-Dinitrotoluene	0.070	U	3.49	3.46		mg/Kg	☼	99	65 - 124	4	30
2,6-Dinitrotoluene	0.070	U *	3.49	3.51		mg/Kg	☼	101	67 - 121	0	30
2-Chloronaphthalene	0.35	U	3.49	2.51		mg/Kg	☼	72	65 - 109	4	30
2-Chlorophenol	0.35	U	3.49	2.32		mg/Kg	☼	66	63 - 106	4	30
2-Methylnaphthalene	0.35	U	3.49	2.55		mg/Kg	☼	73	64 - 108	5	30
2-Methylphenol	0.35	U	3.49	2.35		mg/Kg	☼	67	63 - 108	6	30
2-Nitroaniline	0.35	U	3.49	2.29		mg/Kg	☼	66	59 - 119	1	30
2-Nitrophenol	0.35	U *	3.49	3.08		mg/Kg	☼	88	64 - 112	6	30
3,3'-Dichlorobenzidine	0.14	U *	3.49	2.72		mg/Kg	☼	78	17 - 101	4	30
3-Nitroaniline	0.35	U *	3.49	2.85		mg/Kg	☼	82	31 - 102	0	30
4,6-Dinitro-2-methylphenol	0.28	U *	6.98	8.00		mg/Kg	☼	115	44 - 136	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235670-A-1-B MSD
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether	0.35	U	3.49	2.87		mg/Kg	☼	82	67 - 113	1	30
4-Chloro-3-methylphenol	0.35	U	3.49	2.72		mg/Kg	☼	78	66 - 114	1	30
4-Chloroaniline	0.35	U	3.49	2.39		mg/Kg	☼	68	20 - 98	3	30
4-Chlorophenyl phenyl ether	0.35	U	3.49	2.83		mg/Kg	☼	81	66 - 110	0	30
4-Methylphenol	0.35	U	3.49	2.04	*	mg/Kg	☼	59	61 - 108	9	30
4-Nitroaniline	0.35	U	3.49	2.60		mg/Kg	☼	74	50 - 110	0	30
4-Nitrophenol	0.70	U	6.98	4.78		mg/Kg	☼	68	47 - 123	3	30
Acenaphthene	0.35	U	3.49	2.33		mg/Kg	☼	67	53 - 110	2	30
Acenaphthylene	0.030	J	3.49	2.53		mg/Kg	☼	72	64 - 108	3	30
Acetophenone	0.35	U	3.49	2.34		mg/Kg	☼	67	61 - 103	3	30
Anthracene	0.35	U	3.49	2.80		mg/Kg	☼	80	67 - 114	1	30
Atrazine	0.14	U	1.40	1.99		mg/Kg	☼	143	44 - 145	2	30
Benzaldehyde	0.35	U	1.40	1.35	E	mg/Kg	☼	97	43 - 150	7	30
Benzo[a]anthracene	0.086		3.49	2.74		mg/Kg	☼	76	67 - 115	3	30
Benzo[a]pyrene	0.11		3.49	3.39		mg/Kg	☼	94	73 - 123	0	30
Benzo[b]fluoranthene	0.13		3.49	3.40		mg/Kg	☼	94	70 - 125	3	30
Benzo[g,h,i]perylene	0.073	J	3.49	3.08		mg/Kg	☼	86	61 - 113	0	30
Benzo[k]fluoranthene	0.061		3.49	3.21		mg/Kg	☼	90	67 - 115	1	30
Bis(2-chloroethoxy)methane	0.35	U	3.49	2.17		mg/Kg	☼	62	62 - 107	4	30
Bis(2-chloroethyl)ether	0.035	U	3.49	2.23		mg/Kg	☼	64	60 - 107	5	30
Bis(2-ethylhexyl) phthalate	0.35	U	3.49	2.51		mg/Kg	☼	72	59 - 111	2	30
Butyl benzyl phthalate	0.35	U	3.49	2.59		mg/Kg	☼	74	62 - 113	0	30
Caprolactam	0.35	U	1.40	1.87	E	mg/Kg	☼	134	59 - 140	5	30
Carbazole	0.35	U	3.49	2.67		mg/Kg	☼	77	64 - 113	0	30
Chrysene	0.10	J	3.49	2.84		mg/Kg	☼	79	71 - 122	1	30
Dibenz(a,h)anthracene	0.024	J	3.49	3.15		mg/Kg	☼	90	66 - 119	1	30
Dibenzofuran	0.35	U	3.49	2.65		mg/Kg	☼	76	65 - 108	0	30
Diethyl phthalate	0.35	U	3.49	2.62		mg/Kg	☼	75	63 - 109	1	30
Dimethyl phthalate	0.35	U	3.49	2.57		mg/Kg	☼	74	65 - 109	3	30
Di-n-butyl phthalate	0.35	U	3.49	2.63		mg/Kg	☼	76	66 - 114	2	30
Di-n-octyl phthalate	0.35	U	3.49	2.88		mg/Kg	☼	82	65 - 122	0	30
Fluoranthene	0.15	J	3.49	3.09		mg/Kg	☼	84	61 - 106	1	30
Fluorene	0.35	U	3.49	2.69		mg/Kg	☼	77	65 - 109	0	30
Hexachlorobenzene	0.035	U	3.49	3.05		mg/Kg	☼	87	61 - 113	0	30
Hexachlorobutadiene	0.070	U	3.49	2.84		mg/Kg	☼	81	62 - 109	4	30
Hexachlorocyclopentadiene	0.35	U	3.49	2.19		mg/Kg	☼	63	42 - 118	6	30
Hexachloroethane	0.035	U	3.49	2.43		mg/Kg	☼	70	61 - 102	4	30
Indeno[1,2,3-cd]pyrene	0.077		3.49	3.31		mg/Kg	☼	93	62 - 121	1	30
Isophorone	0.14	U	3.49	2.36		mg/Kg	☼	68	63 - 107	4	30
Naphthalene	0.35	U	3.49	2.44		mg/Kg	☼	70	63 - 106	5	30
Nitrobenzene	0.035	U	3.49	2.70		mg/Kg	☼	77	63 - 110	3	30
N-Nitrosodi-n-propylamine	0.035	U	3.49	2.28		mg/Kg	☼	65	61 - 108	2	30
N-Nitrosodiphenylamine	0.35	U	3.49	2.60		mg/Kg	☼	75	67 - 113	1	30
Pentachlorophenol	0.28	U	6.98	5.59		mg/Kg	☼	80	44 - 126	0	30
Phenanthrene	0.051	J	3.49	2.79		mg/Kg	☼	79	66 - 112	1	30
Phenol	0.35	U	3.49	2.32		mg/Kg	☼	67	63 - 110	5	30
Pyrene	0.15	J	3.49	2.82		mg/Kg	☼	77	61 - 111	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235670-A-1-B MSD
Matrix: Solid
Analysis Batch: 782355

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782252

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	116		10 - 123
2-Fluorobiphenyl	74		14 - 103
2-Fluorophenol (Surr)	60		10 - 105
Nitrobenzene-d5 (Surr)	74		11 - 104
Phenol-d5 (Surr)	68		15 - 100
Terphenyl-d14 (Surr)	93		12 - 126

Lab Sample ID: MB 460-782381/1-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/04/21 20:42	06/05/21 15:09	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782381/1-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/04/21 20:42	06/05/21 15:09	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/04/21 20:42	06/05/21 15:09	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.487*	*A J*	*mg/Kg*		*2.19*		*06/04/21 20:42*	*06/05/21 15:09*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 123*	*06/04/21 20:42*	*06/05/21 15:09*	*1*
2-Fluorobiphenyl	*89*		*14 - 103*	*06/04/21 20:42*	*06/05/21 15:09*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 105*	*06/04/21 20:42*	*06/05/21 15:09*	*1*
Nitrobenzene-d5 (Surr)	*87*		*11 - 104*	*06/04/21 20:42*	*06/05/21 15:09*	*1*
Phenol-d5 (Surr)	*87*		*15 - 100*	*06/04/21 20:42*	*06/05/21 15:09*	*1*
Terphenyl-d14 (Surr)	*101*		*12 - 126*	*06/04/21 20:42*	*06/05/21 15:09*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782381/2-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.91		mg/Kg		87	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.99		mg/Kg		90	64 - 110
1,4-Dioxane	3.33	2.01		mg/Kg		60	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.72		mg/Kg		82	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.98		mg/Kg		89	58 - 113
2,4,5-Trichlorophenol	3.33	2.98		mg/Kg		89	64 - 112
2,4,6-Trichlorophenol	3.33	3.04		mg/Kg		91	63 - 113
2,4-Dichlorophenol	3.33	3.06		mg/Kg		92	66 - 113
2,4-Dimethylphenol	3.33	3.03		mg/Kg		91	63 - 107
2,4-Dinitrophenol	6.67	5.12		mg/Kg		77	25 - 150
2,4-Dinitrotoluene	3.33	3.14		mg/Kg		94	65 - 124
2,6-Dinitrotoluene	3.33	3.00		mg/Kg		90	67 - 121
2-Chloronaphthalene	3.33	2.92		mg/Kg		87	65 - 109
2-Chlorophenol	3.33	2.97		mg/Kg		89	63 - 106
2-Methylnaphthalene	3.33	2.94		mg/Kg		88	64 - 108
2-Methylphenol	3.33	3.01		mg/Kg		90	63 - 108
2-Nitroaniline	3.33	2.78		mg/Kg		83	59 - 119
2-Nitrophenol	3.33	2.80		mg/Kg		84	64 - 112
3,3'-Dichlorobenzidine	3.33	2.35		mg/Kg		70	17 - 101
3-Nitroaniline	3.33	2.18		mg/Kg		65	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.49		mg/Kg		82	44 - 136
4-Bromophenyl phenyl ether	3.33	3.08		mg/Kg		92	67 - 113
4-Chloro-3-methylphenol	3.33	3.03		mg/Kg		91	66 - 114
4-Chloroaniline	3.33	2.07		mg/Kg		62	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.96		mg/Kg		89	66 - 110
4-Methylphenol	3.33	2.91		mg/Kg		87	61 - 108
4-Nitroaniline	3.33	2.77		mg/Kg		83	50 - 110
4-Nitrophenol	6.67	6.02		mg/Kg		90	47 - 123
Acenaphthene	3.33	2.88		mg/Kg		86	53 - 110
Acenaphthylene	3.33	2.91		mg/Kg		87	64 - 108
Acetophenone	3.33	2.83		mg/Kg		85	61 - 103
Anthracene	3.33	2.95		mg/Kg		89	67 - 114
Atrazine	1.33	1.26		mg/Kg		95	44 - 145
Benzaldehyde	1.33	1.24		mg/Kg		93	43 - 150
Benzo[a]anthracene	3.33	2.90		mg/Kg		87	67 - 115
Benzo[a]pyrene	3.33	3.61		mg/Kg		108	73 - 123
Benzo[b]fluoranthene	3.33	3.40		mg/Kg		102	70 - 125
Benzo[g,h,i]perylene	3.33	3.22		mg/Kg		96	61 - 113
Benzo[k]fluoranthene	3.33	3.28		mg/Kg		98	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.89		mg/Kg		87	62 - 107
Bis(2-chloroethyl)ether	3.33	2.93		mg/Kg		88	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.87		mg/Kg		86	59 - 111
Butyl benzyl phthalate	3.33	2.88		mg/Kg		86	62 - 113
Caprolactam	1.33	1.02		mg/Kg		76	59 - 140
Carbazole	3.33	2.94		mg/Kg		88	64 - 113
Chrysene	3.33	2.96		mg/Kg		89	71 - 122
Dibenz(a,h)anthracene	3.33	3.51		mg/Kg		105	66 - 119
Dibenzofuran	3.33	2.91		mg/Kg		87	65 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782381/2-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diethyl phthalate			3.33	2.91		mg/Kg		87	63 - 109		
Dimethyl phthalate			3.33	2.90		mg/Kg		87	65 - 109		
Di-n-butyl phthalate			3.33	2.96		mg/Kg		89	66 - 114		
Di-n-octyl phthalate			3.33	3.05		mg/Kg		92	65 - 122		
Fluoranthene			3.33	3.05		mg/Kg		91	61 - 106		
Fluorene			3.33	2.86		mg/Kg		86	65 - 109		
Hexachlorobenzene			3.33	3.14		mg/Kg		94	61 - 113		
Hexachlorobutadiene			3.33	3.05		mg/Kg		91	62 - 109		
Hexachlorocyclopentadiene			3.33	2.60		mg/Kg		78	42 - 118		
Hexachloroethane			3.33	2.77		mg/Kg		83	61 - 102		
Indeno[1,2,3-cd]pyrene			3.33	3.59		mg/Kg		108	62 - 121		
Isophorone			3.33	2.98		mg/Kg		89	63 - 107		
Naphthalene			3.33	2.86		mg/Kg		86	63 - 106		
Nitrobenzene			3.33	3.02		mg/Kg		91	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.96		mg/Kg		89	61 - 108		
N-Nitrosodiphenylamine			3.33	2.93		mg/Kg		88	67 - 113		
Pentachlorophenol			6.67	6.43		mg/Kg		97	44 - 126		
Phenanthrene			3.33	2.94		mg/Kg		88	66 - 112		
Phenol			3.33	2.87		mg/Kg		86	63 - 110		
Pyrene			3.33	2.85		mg/Kg		86	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 123*
2-Fluorobiphenyl	*88*		*14 - 103*
2-Fluorophenol (Surr)	*89*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*90*		*15 - 100*
Terphenyl-d14 (Surr)	*101*		*12 - 126*

Lab Sample ID: LCSD 460-782381/3-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782381

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.27		mg/Kg		98	65 - 110	12	30
1,2,4,5-Tetrachlorobenzene			3.33	3.32		mg/Kg		99	64 - 110	10	30
1,4-Dioxane			3.33	2.27		mg/Kg		68	31 - 81	12	30
2,2'-oxybis[1-chloropropane]			3.33	3.01		mg/Kg		90	49 - 109	10	30
2,3,4,6-Tetrachlorophenol			3.33	3.38		mg/Kg		101	58 - 113	13	30
2,4,5-Trichlorophenol			3.33	3.32		mg/Kg		100	64 - 112	11	30
2,4,6-Trichlorophenol			3.33	3.48		mg/Kg		104	63 - 113	13	30
2,4-Dichlorophenol			3.33	3.36		mg/Kg		101	66 - 113	9	30
2,4-Dimethylphenol			3.33	3.34		mg/Kg		100	63 - 107	10	30
2,4-Dinitrophenol			6.67	5.82		mg/Kg		87	25 - 150	13	30
2,4-Dinitrotoluene			3.33	3.56		mg/Kg		107	65 - 124	12	30
2,6-Dinitrotoluene			3.33	3.42		mg/Kg		103	67 - 121	13	30
2-Chloronaphthalene			3.33	3.32		mg/Kg		100	65 - 109	13	30
2-Chlorophenol			3.33	3.33		mg/Kg		100	63 - 106	12	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782381/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 782483
Prep Batch: 782381

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	3.33	3.22		mg/Kg		97	64 - 108	9	30
2-Methylphenol	3.33	3.32		mg/Kg		99	63 - 108	10	30
2-Nitroaniline	3.33	3.17		mg/Kg		95	59 - 119	13	30
2-Nitrophenol	3.33	3.09		mg/Kg		93	64 - 112	10	30
3,3'-Dichlorobenzidine	3.33	2.55		mg/Kg		76	17 - 101	8	30
3-Nitroaniline	3.33	2.39		mg/Kg		72	31 - 102	9	30
4,6-Dinitro-2-methylphenol	6.67	6.30		mg/Kg		95	44 - 136	14	30
4-Bromophenyl phenyl ether	3.33	3.42		mg/Kg		103	67 - 113	10	30
4-Chloro-3-methylphenol	3.33	3.29		mg/Kg		99	66 - 114	8	30
4-Chloroaniline	3.33	2.10		mg/Kg		63	20 - 98	1	30
4-Chlorophenyl phenyl ether	3.33	3.33		mg/Kg		100	66 - 110	12	30
4-Methylphenol	3.33	3.28		mg/Kg		98	61 - 108	12	30
4-Nitroaniline	3.33	3.08		mg/Kg		92	50 - 110	11	30
4-Nitrophenol	6.67	6.81		mg/Kg		102	47 - 123	12	30
Acenaphthene	3.33	3.26		mg/Kg		98	53 - 110	13	30
Acenaphthylene	3.33	3.28		mg/Kg		98	64 - 108	12	30
Acetophenone	3.33	3.18		mg/Kg		95	61 - 103	11	30
Anthracene	3.33	3.28		mg/Kg		98	67 - 114	10	30
Atrazine	1.33	1.41		mg/Kg		106	44 - 145	11	30
Benzaldehyde	1.33	1.37		mg/Kg		103	43 - 150	11	30
Benzo[a]anthracene	3.33	3.15		mg/Kg		94	67 - 115	8	30
Benzo[a]pyrene	3.33	4.04		mg/Kg		121	73 - 123	11	30
Benzo[b]fluoranthene	3.33	3.68		mg/Kg		111	70 - 125	8	30
Benzo[g,h,i]perylene	3.33	3.56		mg/Kg		107	61 - 113	10	30
Benzo[k]fluoranthene	3.33	3.71		mg/Kg		111	67 - 115	12	30
Bis(2-chloroethoxy)methane	3.33	3.20		mg/Kg		96	62 - 107	10	30
Bis(2-chloroethyl)ether	3.33	3.25		mg/Kg		98	60 - 107	11	30
Bis(2-ethylhexyl) phthalate	3.33	3.15		mg/Kg		95	59 - 111	9	30
Butyl benzyl phthalate	3.33	3.17		mg/Kg		95	62 - 113	9	30
Caprolactam	1.33	1.17		mg/Kg		88	59 - 140	14	30
Carbazole	3.33	3.27		mg/Kg		98	64 - 113	10	30
Chrysene	3.33	3.28		mg/Kg		98	71 - 122	10	30
Dibenz(a,h)anthracene	3.33	3.89		mg/Kg		117	66 - 119	10	30
Dibenzofuran	3.33	3.29		mg/Kg		99	65 - 108	12	30
Diethyl phthalate	3.33	3.26		mg/Kg		98	63 - 109	11	30
Dimethyl phthalate	3.33	3.27		mg/Kg		98	65 - 109	12	30
Di-n-butyl phthalate	3.33	3.28		mg/Kg		98	66 - 114	10	30
Di-n-octyl phthalate	3.33	3.43		mg/Kg		103	65 - 122	12	30
Fluoranthene	3.33	3.34		mg/Kg		100	61 - 106	9	30
Fluorene	3.33	3.24		mg/Kg		97	65 - 109	13	30
Hexachlorobenzene	3.33	3.47		mg/Kg		104	61 - 113	10	30
Hexachlorobutadiene	3.33	3.34		mg/Kg		100	62 - 109	9	30
Hexachlorocyclopentadiene	3.33	2.96		mg/Kg		89	42 - 118	13	30
Hexachloroethane	3.33	3.02		mg/Kg		91	61 - 102	9	30
Indeno[1,2,3-cd]pyrene	3.33	3.74		mg/Kg		112	62 - 121	4	30
Isophorone	3.33	3.26		mg/Kg		98	63 - 107	9	30
Naphthalene	3.33	3.19		mg/Kg		96	63 - 106	11	30
Nitrobenzene	3.33	3.36		mg/Kg		101	63 - 110	11	30
N-Nitrosodi-n-propylamine	3.33	3.28		mg/Kg		98	61 - 108	10	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782381/3-A
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782381

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			3.33	3.22		mg/Kg		96	67 - 113	9	30
Pentachlorophenol			6.67	7.14		mg/Kg		107	44 - 126	10	30
Phenanthrene			3.33	3.26		mg/Kg		98	66 - 112	10	30
Phenol			3.33	3.24		mg/Kg		97	63 - 110	12	30
Pyrene			3.33	3.15		mg/Kg		95	61 - 111	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*10 - 123*
2-Fluorobiphenyl	*99*		*14 - 103*
2-Fluorophenol (Surr)	*100*		*10 - 105*
Nitrobenzene-d5 (Surr)	*95*		*11 - 104*
Phenol-d5 (Surr)	*98*		*15 - 100*
Terphenyl-d14 (Surr)	*110*		*12 - 126*

Lab Sample ID: 460-235313-A-9-A MS
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.37	U	3.72	3.26		mg/Kg	☼	87	65 - 110
1,2,4,5-Tetrachlorobenzene	0.37	U	3.72	3.31		mg/Kg	☼	89	64 - 110
1,4-Dioxane	0.037	U	3.72	1.74		mg/Kg	☼	47	31 - 81
2,2'-oxybis[1-chloropropane]	0.37	U	3.72	2.84		mg/Kg	☼	76	49 - 109
2,3,4,6-Tetrachlorophenol	0.37	U	3.72	3.24		mg/Kg	☼	87	58 - 113
2,4,5-Trichlorophenol	0.37	U	3.72	3.30		mg/Kg	☼	89	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.72	3.41		mg/Kg	☼	91	63 - 113
2,4-Dichlorophenol	0.15	U	3.72	3.40		mg/Kg	☼	91	66 - 113
2,4-Dimethylphenol	0.37	U	3.72	3.29		mg/Kg	☼	88	63 - 107
2,4-Dinitrophenol	0.30	U	7.45	5.25		mg/Kg	☼	70	25 - 150
2,4-Dinitrotoluene	0.075	U	3.72	3.35		mg/Kg	☼	90	65 - 124
2,6-Dinitrotoluene	0.075	U	3.72	3.63		mg/Kg	☼	98	67 - 121
2-Chloronaphthalene	0.37	U	3.72	3.24		mg/Kg	☼	87	65 - 109
2-Chlorophenol	0.37	U	3.72	3.11		mg/Kg	☼	84	63 - 106
2-Methylnaphthalene	0.37	U	3.72	3.24		mg/Kg	☼	87	64 - 108
2-Methylphenol	0.37	U	3.72	3.18		mg/Kg	☼	86	63 - 108
2-Nitroaniline	0.37	U	3.72	3.12		mg/Kg	☼	84	59 - 119
2-Nitrophenol	0.37	U	3.72	2.95		mg/Kg	☼	79	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.72	3.06		mg/Kg	☼	82	17 - 101
3-Nitroaniline	0.37	U	3.72	3.22		mg/Kg	☼	86	31 - 102
4,6-Dinitro-2-methylphenol	0.30	U	7.45	5.83		mg/Kg	☼	78	44 - 136
4-Bromophenyl phenyl ether	0.37	U	3.72	3.40		mg/Kg	☼	91	67 - 113
4-Chloro-3-methylphenol	0.37	U	3.72	3.30		mg/Kg	☼	89	66 - 114
4-Chloroaniline	0.37	U	3.72	2.88		mg/Kg	☼	77	20 - 98
4-Chlorophenyl phenyl ether	0.37	U	3.72	3.30		mg/Kg	☼	89	66 - 110
4-Methylphenol	0.37	U	3.72	3.16		mg/Kg	☼	85	61 - 108
4-Nitroaniline	0.37	U	3.72	3.07		mg/Kg	☼	82	50 - 110
4-Nitrophenol	0.75	U	7.45	6.88		mg/Kg	☼	92	47 - 123
Acenaphthene	0.37	U	3.72	3.22		mg/Kg	☼	87	53 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235313-A-9-A MS
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	0.37	U	3.72	3.29		mg/Kg	☼	88	64 - 108
Acetophenone	0.37	U	3.72	3.00		mg/Kg	☼	81	61 - 103
Anthracene	0.37	U	3.72	3.20		mg/Kg	☼	86	67 - 114
Atrazine	0.15	U	1.49	1.45		mg/Kg	☼	97	44 - 145
Benzaldehyde	0.37	U	1.49	1.22	E	mg/Kg	☼	82	43 - 150
Benzo[a]anthracene	0.037	U	3.72	3.22		mg/Kg	☼	87	67 - 115
Benzo[a]pyrene	0.037	U	3.72	4.02		mg/Kg	☼	108	73 - 123
Benzo[b]fluoranthene	0.037	U	3.72	3.63		mg/Kg	☼	98	70 - 125
Benzo[g,h,i]perylene	0.37	U	3.72	3.69		mg/Kg	☼	99	61 - 113
Benzo[k]fluoranthene	0.037	U	3.72	3.68		mg/Kg	☼	99	67 - 115
Bis(2-chloroethoxy)methane	0.37	U	3.72	3.13		mg/Kg	☼	84	62 - 107
Bis(2-chloroethyl)ether	0.037	U	3.72	3.03		mg/Kg	☼	81	60 - 107
Bis(2-ethylhexyl) phthalate	0.37	U	3.72	3.25		mg/Kg	☼	87	59 - 111
Butyl benzyl phthalate	0.37	U	3.72	3.30		mg/Kg	☼	89	62 - 113
Caprolactam	0.37	U	1.49	1.04		mg/Kg	☼	70	59 - 140
Carbazole	0.37	U	3.72	3.24		mg/Kg	☼	87	64 - 113
Chrysene	0.37	U	3.72	3.29		mg/Kg	☼	88	71 - 122
Dibenz(a,h)anthracene	0.037	U	3.72	4.03		mg/Kg	☼	108	66 - 119
Dibenzofuran	0.37	U	3.72	3.23		mg/Kg	☼	87	65 - 108
Diethyl phthalate	0.37	U	3.72	3.23		mg/Kg	☼	87	63 - 109
Dimethyl phthalate	0.37	U	3.72	3.20		mg/Kg	☼	86	65 - 109
Di-n-butyl phthalate	0.37	U	3.72	3.33		mg/Kg	☼	89	66 - 114
Di-n-octyl phthalate	0.37	U	3.72	3.40		mg/Kg	☼	91	65 - 122
Fluoranthene	0.37	U	3.72	3.40		mg/Kg	☼	91	61 - 106
Fluorene	0.37	U	3.72	3.24		mg/Kg	☼	87	65 - 109
Hexachlorobenzene	0.037	U	3.72	3.58		mg/Kg	☼	96	61 - 113
Hexachlorobutadiene	0.075	U	3.72	3.27		mg/Kg	☼	88	62 - 109
Hexachlorocyclopentadiene	0.37	U	3.72	2.49		mg/Kg	☼	67	42 - 118
Hexachloroethane	0.037	U	3.72	2.77		mg/Kg	☼	74	61 - 102
Indeno[1,2,3-cd]pyrene	0.037	U	3.72	4.04		mg/Kg	☼	108	62 - 121
Isophorone	0.15	U	3.72	3.26		mg/Kg	☼	88	63 - 107
Naphthalene	0.37	U	3.72	3.11		mg/Kg	☼	84	63 - 106
Nitrobenzene	0.037	U	3.72	3.24		mg/Kg	☼	87	63 - 110
N-Nitrosodi-n-propylamine	0.037	U	3.72	3.17		mg/Kg	☼	85	61 - 108
N-Nitrosodiphenylamine	0.37	U	3.72	3.62		mg/Kg	☼	97	67 - 113
Pentachlorophenol	0.30	U	7.45	7.19		mg/Kg	☼	97	44 - 126
Phenanthrene	0.37	U	3.72	3.26		mg/Kg	☼	88	66 - 112
Phenol	0.37	U	3.72	3.04		mg/Kg	☼	82	63 - 110
Pyrene	0.083	J	3.72	3.25		mg/Kg	☼	85	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*80*		*10 - 105*
Nitrobenzene-d5 (Surr)	*79*		*11 - 104*
Phenol-d5 (Surr)	*81*		*15 - 100*
Terphenyl-d14 (Surr)	*97*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235313-A-9-B MSD
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.37	U	3.72	3.14		mg/Kg	☼	84	65 - 110	4	30
1,2,4,5-Tetrachlorobenzene	0.37	U	3.72	3.28		mg/Kg	☼	88	64 - 110	1	30
1,4-Dioxane	0.037	U	3.72	1.92		mg/Kg	☼	52	31 - 81	10	30
2,2'-oxybis[1-chloropropane]	0.37	U	3.72	2.86		mg/Kg	☼	77	49 - 109	0	30
2,3,4,6-Tetrachlorophenol	0.37	U	3.72	3.25		mg/Kg	☼	87	58 - 113	0	30
2,4,5-Trichlorophenol	0.37	U	3.72	3.18		mg/Kg	☼	85	64 - 112	4	30
2,4,6-Trichlorophenol	0.15	U	3.72	3.37		mg/Kg	☼	91	63 - 113	1	30
2,4-Dichlorophenol	0.15	U	3.72	3.35		mg/Kg	☼	90	66 - 113	2	30
2,4-Dimethylphenol	0.37	U	3.72	3.20		mg/Kg	☼	86	63 - 107	3	30
2,4-Dinitrophenol	0.30	U	7.45	5.46		mg/Kg	☼	73	25 - 150	4	30
2,4-Dinitrotoluene	0.075	U	3.72	3.35		mg/Kg	☼	90	65 - 124	0	30
2,6-Dinitrotoluene	0.075	U	3.72	3.59		mg/Kg	☼	96	67 - 121	1	30
2-Chloronaphthalene	0.37	U	3.72	3.15		mg/Kg	☼	85	65 - 109	3	30
2-Chlorophenol	0.37	U	3.72	3.05		mg/Kg	☼	82	63 - 106	2	30
2-Methylnaphthalene	0.37	U	3.72	3.16		mg/Kg	☼	85	64 - 108	3	30
2-Methylphenol	0.37	U	3.72	3.10		mg/Kg	☼	83	63 - 108	3	30
2-Nitroaniline	0.37	U	3.72	3.07		mg/Kg	☼	83	59 - 119	1	30
2-Nitrophenol	0.37	U	3.72	3.02		mg/Kg	☼	81	64 - 112	3	30
3,3'-Dichlorobenzidine	0.15	U	3.72	2.73		mg/Kg	☼	73	17 - 101	11	30
3-Nitroaniline	0.37	U	3.72	3.14		mg/Kg	☼	84	31 - 102	3	30
4,6-Dinitro-2-methylphenol	0.30	U	7.45	5.93		mg/Kg	☼	80	44 - 136	2	30
4-Bromophenyl phenyl ether	0.37	U	3.72	3.50		mg/Kg	☼	94	67 - 113	3	30
4-Chloro-3-methylphenol	0.37	U	3.72	3.28		mg/Kg	☼	88	66 - 114	1	30
4-Chloroaniline	0.37	U	3.72	2.65		mg/Kg	☼	71	20 - 98	8	30
4-Chlorophenyl phenyl ether	0.37	U	3.72	3.28		mg/Kg	☼	88	66 - 110	1	30
4-Methylphenol	0.37	U	3.72	3.05		mg/Kg	☼	82	61 - 108	4	30
4-Nitroaniline	0.37	U	3.72	3.03		mg/Kg	☼	81	50 - 110	1	30
4-Nitrophenol	0.75	U	7.45	6.58		mg/Kg	☼	88	47 - 123	5	30
Acenaphthene	0.37	U	3.72	3.11		mg/Kg	☼	84	53 - 110	3	30
Acenaphthylene	0.37	U	3.72	3.18		mg/Kg	☼	85	64 - 108	3	30
Acetophenone	0.37	U	3.72	2.98		mg/Kg	☼	80	61 - 103	1	30
Anthracene	0.37	U	3.72	3.23		mg/Kg	☼	87	67 - 114	1	30
Atrazine	0.15	U	1.49	1.66		mg/Kg	☼	111	44 - 145	14	30
Benzaldehyde	0.37	U	1.49	1.46	E	mg/Kg	☼	98	43 - 150	17	30
Benzo[a]anthracene	0.037	U	3.72	3.12		mg/Kg	☼	84	67 - 115	3	30
Benzo[a]pyrene	0.037	U	3.72	3.92		mg/Kg	☼	105	73 - 123	2	30
Benzo[b]fluoranthene	0.037	U	3.72	3.65		mg/Kg	☼	98	70 - 125	0	30
Benzo[g,h,i]perylene	0.37	U	3.72	3.63		mg/Kg	☼	97	61 - 113	2	30
Benzo[k]fluoranthene	0.037	U	3.72	3.52		mg/Kg	☼	95	67 - 115	4	30
Bis(2-chloroethoxy)methane	0.37	U	3.72	3.11		mg/Kg	☼	84	62 - 107	1	30
Bis(2-chloroethyl)ether	0.037	U	3.72	3.10		mg/Kg	☼	83	60 - 107	2	30
Bis(2-ethylhexyl) phthalate	0.37	U	3.72	3.12		mg/Kg	☼	84	59 - 111	4	30
Butyl benzyl phthalate	0.37	U	3.72	3.17		mg/Kg	☼	85	62 - 113	4	30
Caprolactam	0.37	U	1.49	1.15		mg/Kg	☼	77	59 - 140	10	30
Carbazole	0.37	U	3.72	3.23		mg/Kg	☼	87	64 - 113	0	30
Chrysene	0.37	U	3.72	3.20		mg/Kg	☼	86	71 - 122	3	30
Dibenz(a,h)anthracene	0.037	U	3.72	3.91		mg/Kg	☼	105	66 - 119	3	30
Dibenzofuran	0.37	U	3.72	3.18		mg/Kg	☼	85	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235313-A-9-B MSD
Matrix: Solid
Analysis Batch: 782483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate	0.37	U	3.72	3.13		mg/Kg	☼	84	63 - 109	3	30
Dimethyl phthalate	0.37	U	3.72	3.11		mg/Kg	☼	84	65 - 109	3	30
Di-n-butyl phthalate	0.37	U	3.72	3.29		mg/Kg	☼	88	66 - 114	1	30
Di-n-octyl phthalate	0.37	U	3.72	3.34		mg/Kg	☼	90	65 - 122	2	30
Fluoranthene	0.37	U	3.72	3.39		mg/Kg	☼	91	61 - 106	0	30
Fluorene	0.37	U	3.72	3.12		mg/Kg	☼	84	65 - 109	4	30
Hexachlorobenzene	0.037	U	3.72	3.48		mg/Kg	☼	93	61 - 113	3	30
Hexachlorobutadiene	0.075	U	3.72	3.32		mg/Kg	☼	89	62 - 109	1	30
Hexachlorocyclopentadiene	0.37	U	3.72	2.47		mg/Kg	☼	66	42 - 118	1	30
Hexachloroethane	0.037	U	3.72	2.77		mg/Kg	☼	74	61 - 102	0	30
Indeno[1,2,3-cd]pyrene	0.037	U	3.72	3.92		mg/Kg	☼	105	62 - 121	3	30
Isophorone	0.15	U	3.72	3.22		mg/Kg	☼	87	63 - 107	1	30
Naphthalene	0.37	U	3.72	3.10		mg/Kg	☼	83	63 - 106	0	30
Nitrobenzene	0.037	U	3.72	3.19		mg/Kg	☼	86	63 - 110	2	30
N-Nitrosodi-n-propylamine	0.037	U	3.72	3.10		mg/Kg	☼	83	61 - 108	2	30
N-Nitrosodiphenylamine	0.37	U	3.72	3.67		mg/Kg	☼	99	67 - 113	1	30
Pentachlorophenol	0.30	U	7.45	7.18		mg/Kg	☼	96	44 - 126	0	30
Phenanthrene	0.37	U	3.72	3.24		mg/Kg	☼	87	66 - 112	1	30
Phenol	0.37	U	3.72	3.06		mg/Kg	☼	82	63 - 110	0	30
Pyrene	0.083	J	3.72	3.14		mg/Kg	☼	82	61 - 111	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*81*		*10 - 105*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*
Phenol-d5 (Surr)	*82*		*15 - 100*
Terphenyl-d14 (Surr)	*94*		*12 - 126*

Lab Sample ID: MB 460-782553/1-A
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/06/21 07:08	06/06/21 17:07	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/06/21 07:08	06/06/21 17:07	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/06/21 07:08	06/06/21 17:07	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/06/21 07:08	06/06/21 17:07	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/06/21 07:08	06/06/21 17:07	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/06/21 07:08	06/06/21 17:07	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/06/21 07:08	06/06/21 17:07	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/06/21 07:08	06/06/21 17:07	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/06/21 07:08	06/06/21 17:07	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/06/21 07:08	06/06/21 17:07	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/06/21 07:08	06/06/21 17:07	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/06/21 07:08	06/06/21 17:07	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782553/1-A
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782553

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		33 - 150	06/06/21 07:08	06/06/21 17:07	1
2-Fluorobiphenyl	98		42 - 127	06/06/21 07:08	06/06/21 17:07	1
2-Fluorophenol (Surr)	54		18 - 72	06/06/21 07:08	06/06/21 17:07	1
Nitrobenzene-d5 (Surr)	95		46 - 137	06/06/21 07:08	06/06/21 17:07	1
Phenol-d5 (Surr)	34		10 - 50	06/06/21 07:08	06/06/21 17:07	1
Terphenyl-d14 (Surr)	123		39 - 150	06/06/21 07:08	06/06/21 17:07	1

Lab Sample ID: LCS 460-782553/2-A
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0647		mg/L		81	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0632		mg/L		79	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0713		mg/L		89	66 - 117
3 & 4 Methylphenol	0.0800	0.0526		mg/L		66	43 - 78
2,4-Dinitrotoluene	0.0800	0.0701		mg/L		88	68 - 134
Pyridine	0.160	0.0690		mg/L		43	13 - 71
2-Methylphenol	0.0800	0.0522		mg/L		65	48 - 88
Hexachlorobenzene	0.0800	0.0716		mg/L		90	61 - 117
Hexachlorobutadiene	0.0800	0.0729		mg/L		91	10 - 133
Hexachloroethane	0.0800	0.0694		mg/L		87	17 - 115
Nitrobenzene	0.0800	0.0815		mg/L		102	71 - 116
Pentachlorophenol	0.160	0.148		mg/L		93	54 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	87		33 - 150
2-Fluorobiphenyl	91		42 - 127
2-Fluorophenol (Surr)	47		18 - 72
Nitrobenzene-d5 (Surr)	95		46 - 137
Phenol-d5 (Surr)	33		10 - 50
Terphenyl-d14 (Surr)	104		39 - 150

Lab Sample ID: LCSD 460-782553/3-A
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782553

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0680		mg/L		85	40 - 102	5	30
2,4,5-Trichlorophenol	0.0800	0.0659		mg/L		82	63 - 112	4	30
2,4,6-Trichlorophenol	0.0800	0.0724		mg/L		91	66 - 117	2	30
3 & 4 Methylphenol	0.0800	0.0530		mg/L		66	43 - 78	1	30
2,4-Dinitrotoluene	0.0800	0.0691		mg/L		86	68 - 134	1	30
Pyridine	0.160	0.0716		mg/L		45	13 - 71	4	30
2-Methylphenol	0.0800	0.0547		mg/L		68	48 - 88	5	30
Hexachlorobenzene	0.0800	0.0743		mg/L		93	61 - 117	4	30
Hexachlorobutadiene	0.0800	0.0725		mg/L		91	10 - 133	1	30
Hexachloroethane	0.0800	0.0691		mg/L		86	17 - 115	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782553/3-A
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782553

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene			0.0800	0.0857		mg/L		107	71 - 116	5	30
Pentachlorophenol			0.160	0.157		mg/L		98	54 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 150*
2-Fluorobiphenyl	*88*		*42 - 127*
2-Fluorophenol (Surr)	*48*		*18 - 72*
Nitrobenzene-d5 (Surr)	*94*		*46 - 137*
Phenol-d5 (Surr)	*33*		*10 - 50*
Terphenyl-d14 (Surr)	*108*		*39 - 150*

Lab Sample ID: MB 460-782579/1-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/06/21 12:41	06/06/21 19:15	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782579/1-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/06/21 12:41	06/06/21 19:15	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/06/21 12:41	06/06/21 19:15	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.60*	*A J*	*mg/Kg*		*2.19*		*06/06/21 12:41*	*06/06/21 19:15*	*1*
n-Decane	*0.0571*	*J*	*mg/Kg*		*3.15*	*124-18-5*	*06/06/21 12:41*	*06/06/21 19:15*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 123*	*06/06/21 12:41*	*06/06/21 19:15*	*1*
2-Fluorobiphenyl	*73*		*14 - 103*	*06/06/21 12:41*	*06/06/21 19:15*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 105*	*06/06/21 12:41*	*06/06/21 19:15*	*1*
Nitrobenzene-d5 (Surr)	*74*		*11 - 104*	*06/06/21 12:41*	*06/06/21 19:15*	*1*
Phenol-d5 (Surr)	*75*		*15 - 100*	*06/06/21 12:41*	*06/06/21 19:15*	*1*
Terphenyl-d14 (Surr)	*85*		*12 - 126*	*06/06/21 12:41*	*06/06/21 19:15*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 460-782579/2-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.64		mg/Kg		79	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.66		mg/Kg		80	64 - 110
1,4-Dioxane	3.33	1.48		mg/Kg		44	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.43		mg/Kg		73	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.71		mg/Kg		81	58 - 113
2,4,5-Trichlorophenol	3.33	2.66		mg/Kg		80	64 - 112
2,4,6-Trichlorophenol	3.33	2.76		mg/Kg		83	63 - 113
2,4-Dichlorophenol	3.33	2.79		mg/Kg		84	66 - 113
2,4-Dimethylphenol	3.33	2.69		mg/Kg		81	63 - 107
2,4-Dinitrophenol	6.67	4.57		mg/Kg		69	25 - 150
2,4-Dinitrotoluene	3.33	2.79		mg/Kg		84	65 - 124
2,6-Dinitrotoluene	3.33	2.73		mg/Kg		82	67 - 121
2-Chloronaphthalene	3.33	2.63		mg/Kg		79	65 - 109
2-Chlorophenol	3.33	2.69		mg/Kg		81	63 - 106
2-Methylnaphthalene	3.33	2.65		mg/Kg		79	64 - 108
2-Methylphenol	3.33	2.70		mg/Kg		81	63 - 108
2-Nitroaniline	3.33	2.55		mg/Kg		77	59 - 119
2-Nitrophenol	3.33	2.50		mg/Kg		75	64 - 112
3,3'-Dichlorobenzidine	3.33	2.39		mg/Kg		72	17 - 101
3-Nitroaniline	3.33	2.23		mg/Kg		67	31 - 102
4,6-Dinitro-2-methylphenol	6.67	4.95		mg/Kg		74	44 - 136
4-Bromophenyl phenyl ether	3.33	2.76		mg/Kg		83	67 - 113
4-Chloro-3-methylphenol	3.33	2.76		mg/Kg		83	66 - 114
4-Chloroaniline	3.33	2.15		mg/Kg		65	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.68		mg/Kg		80	66 - 110
4-Methylphenol	3.33	2.63		mg/Kg		79	61 - 108
4-Nitroaniline	3.33	2.51		mg/Kg		75	50 - 110
4-Nitrophenol	6.67	5.55		mg/Kg		83	47 - 123
Acenaphthene	3.33	2.61		mg/Kg		78	53 - 110
Acenaphthylene	3.33	2.58		mg/Kg		77	64 - 108
Acetophenone	3.33	2.54		mg/Kg		76	61 - 103
Anthracene	3.33	2.67		mg/Kg		80	67 - 114
Atrazine	1.33	1.57		mg/Kg		118	44 - 145
Benzaldehyde	1.33	1.47		mg/Kg		111	43 - 150
Benzo[a]anthracene	3.33	2.60		mg/Kg		78	67 - 115
Benzo[a]pyrene	3.33	3.13		mg/Kg		94	73 - 123
Benzo[b]fluoranthene	3.33	2.98		mg/Kg		89	70 - 125
Benzo[g,h,i]perylene	3.33	2.87		mg/Kg		86	61 - 113
Benzo[k]fluoranthene	3.33	3.05		mg/Kg		91	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.60		mg/Kg		78	62 - 107
Bis(2-chloroethyl)ether	3.33	2.62		mg/Kg		79	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.63		mg/Kg		79	59 - 111
Butyl benzyl phthalate	3.33	2.64		mg/Kg		79	62 - 113
Caprolactam	1.33	1.32		mg/Kg		99	59 - 140
Carbazole	3.33	2.66		mg/Kg		80	64 - 113
Chrysene	3.33	2.64		mg/Kg		79	71 - 122
Dibenz(a,h)anthracene	3.33	3.16		mg/Kg		95	66 - 119
Dibenzofuran	3.33	2.62		mg/Kg		79	65 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782579/2-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782579

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diethyl phthalate			3.33	2.66		mg/Kg		80	63 - 109		
Dimethyl phthalate			3.33	2.63		mg/Kg		79	65 - 109		
Di-n-butyl phthalate			3.33	2.68		mg/Kg		80	66 - 114		
Di-n-octyl phthalate			3.33	2.83		mg/Kg		85	65 - 122		
Fluoranthene			3.33	2.72		mg/Kg		82	61 - 106		
Fluorene			3.33	2.63		mg/Kg		79	65 - 109		
Hexachlorobenzene			3.33	2.84		mg/Kg		85	61 - 113		
Hexachlorobutadiene			3.33	2.71		mg/Kg		81	62 - 109		
Hexachlorocyclopentadiene			3.33	2.22		mg/Kg		67	42 - 118		
Hexachloroethane			3.33	2.36		mg/Kg		71	61 - 102		
Indeno[1,2,3-cd]pyrene			3.33	3.27		mg/Kg		98	62 - 121		
Isophorone			3.33	2.67		mg/Kg		80	63 - 107		
Naphthalene			3.33	2.55		mg/Kg		76	63 - 106		
Nitrobenzene			3.33	2.66		mg/Kg		80	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.69		mg/Kg		81	61 - 108		
N-Nitrosodiphenylamine			3.33	2.61		mg/Kg		78	67 - 113		
Pentachlorophenol			6.67	5.78		mg/Kg		87	44 - 126		
Phenanthrene			3.33	2.65		mg/Kg		80	66 - 112		
Phenol			3.33	2.62		mg/Kg		79	63 - 110		
Pyrene			3.33	2.60		mg/Kg		78	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 123*
2-Fluorobiphenyl	*73*		*14 - 103*
2-Fluorophenol (Surr)	*75*		*10 - 105*
Nitrobenzene-d5 (Surr)	*72*		*11 - 104*
Phenol-d5 (Surr)	*75*		*15 - 100*
Terphenyl-d14 (Surr)	*85*		*12 - 126*

Lab Sample ID: LCSD 460-782579/3-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782579

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.47		mg/Kg		74	65 - 110	7	30
1,2,4,5-Tetrachlorobenzene			3.33	2.54		mg/Kg		76	64 - 110	5	30
1,4-Dioxane			3.33	1.38		mg/Kg		41	31 - 81	7	30
2,2'-oxybis[1-chloropropane]			3.33	2.26		mg/Kg		68	49 - 109	7	30
2,3,4,6-Tetrachlorophenol			3.33	2.52		mg/Kg		75	58 - 113	8	30
2,4,5-Trichlorophenol			3.33	2.57		mg/Kg		77	64 - 112	3	30
2,4,6-Trichlorophenol			3.33	2.63		mg/Kg		79	63 - 113	5	30
2,4-Dichlorophenol			3.33	2.59		mg/Kg		78	66 - 113	7	30
2,4-Dimethylphenol			3.33	2.56		mg/Kg		77	63 - 107	5	30
2,4-Dinitrophenol			6.67	4.40		mg/Kg		66	25 - 150	4	30
2,4-Dinitrotoluene			3.33	2.63		mg/Kg		79	65 - 124	6	30
2,6-Dinitrotoluene			3.33	2.58		mg/Kg		77	67 - 121	6	30
2-Chloronaphthalene			3.33	2.50		mg/Kg		75	65 - 109	5	30
2-Chlorophenol			3.33	2.52		mg/Kg		76	63 - 106	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782579/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 782628
Prep Batch: 782579

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene			3.33	2.49		mg/Kg		75	64 - 108	6	30
2-Methylphenol			3.33	2.55		mg/Kg		76	63 - 108	6	30
2-Nitroaniline			3.33	2.46		mg/Kg		74	59 - 119	4	30
2-Nitrophenol			3.33	2.36		mg/Kg		71	64 - 112	6	30
3,3'-Dichlorobenzidine			3.33	2.27		mg/Kg		68	17 - 101	5	30
3-Nitroaniline			3.33	2.10		mg/Kg		63	31 - 102	6	30
4,6-Dinitro-2-methylphenol			6.67	4.62		mg/Kg		69	44 - 136	7	30
4-Bromophenyl phenyl ether			3.33	2.63		mg/Kg		79	67 - 113	5	30
4-Chloro-3-methylphenol			3.33	2.55		mg/Kg		76	66 - 114	8	30
4-Chloroaniline			3.33	2.04		mg/Kg		61	20 - 98	6	30
4-Chlorophenyl phenyl ether			3.33	2.54		mg/Kg		76	66 - 110	5	30
4-Methylphenol			3.33	2.52		mg/Kg		76	61 - 108	4	30
4-Nitroaniline			3.33	2.42		mg/Kg		72	50 - 110	4	30
4-Nitrophenol			6.67	5.22		mg/Kg		78	47 - 123	6	30
Acenaphthene			3.33	2.47		mg/Kg		74	53 - 110	6	30
Acenaphthylene			3.33	2.45		mg/Kg		73	64 - 108	5	30
Acetophenone			3.33	2.41		mg/Kg		72	61 - 103	5	30
Anthracene			3.33	2.49		mg/Kg		75	67 - 114	7	30
Atrazine			1.33	1.40		mg/Kg		105	44 - 145	11	30
Benzaldehyde			1.33	1.31		mg/Kg		98	43 - 150	12	30
Benzo[a]anthracene			3.33	2.41		mg/Kg		72	67 - 115	8	30
Benzo[a]pyrene			3.33	2.87		mg/Kg		86	73 - 123	8	30
Benzo[b]fluoranthene			3.33	2.78		mg/Kg		83	70 - 125	7	30
Benzo[g,h,i]perylene			3.33	2.63		mg/Kg		79	61 - 113	9	30
Benzo[k]fluoranthene			3.33	2.71		mg/Kg		81	67 - 115	12	30
Bis(2-chloroethoxy)methane			3.33	2.45		mg/Kg		74	62 - 107	6	30
Bis(2-chloroethyl)ether			3.33	2.46		mg/Kg		74	60 - 107	6	30
Bis(2-ethylhexyl) phthalate			3.33	2.45		mg/Kg		73	59 - 111	7	30
Butyl benzyl phthalate			3.33	2.42		mg/Kg		72	62 - 113	9	30
Caprolactam			1.33	1.18		mg/Kg		89	59 - 140	11	30
Carbazole			3.33	2.47		mg/Kg		74	64 - 113	8	30
Chrysene			3.33	2.45		mg/Kg		74	71 - 122	7	30
Dibenz(a,h)anthracene			3.33	2.96		mg/Kg		89	66 - 119	7	30
Dibenzofuran			3.33	2.49		mg/Kg		75	65 - 108	5	30
Diethyl phthalate			3.33	2.51		mg/Kg		75	63 - 109	6	30
Dimethyl phthalate			3.33	2.47		mg/Kg		74	65 - 109	6	30
Di-n-butyl phthalate			3.33	2.50		mg/Kg		75	66 - 114	7	30
Di-n-octyl phthalate			3.33	2.62		mg/Kg		79	65 - 122	8	30
Fluoranthene			3.33	2.54		mg/Kg		76	61 - 106	7	30
Fluorene			3.33	2.49		mg/Kg		75	65 - 109	5	30
Hexachlorobenzene			3.33	2.61		mg/Kg		78	61 - 113	9	30
Hexachlorobutadiene			3.33	2.52		mg/Kg		76	62 - 109	7	30
Hexachlorocyclopentadiene			3.33	2.11		mg/Kg		63	42 - 118	5	30
Hexachloroethane			3.33	2.26		mg/Kg		68	61 - 102	4	30
Indeno[1,2,3-cd]pyrene			3.33	2.93		mg/Kg		88	62 - 121	11	30
Isophorone			3.33	2.47		mg/Kg		74	63 - 107	7	30
Naphthalene			3.33	2.41		mg/Kg		72	63 - 106	6	30
Nitrobenzene			3.33	2.51		mg/Kg		75	63 - 110	6	30
N-Nitrosodi-n-propylamine			3.33	2.49		mg/Kg		75	61 - 108	8	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782579/3-A
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782579

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			3.33	2.47		mg/Kg		74	67 - 113	6	30
Pentachlorophenol			6.67	5.44		mg/Kg		82	44 - 126	6	30
Phenanthrene			3.33	2.49		mg/Kg		75	66 - 112	6	30
Phenol			3.33	2.45		mg/Kg		74	63 - 110	7	30
Pyrene			3.33	2.41		mg/Kg		72	61 - 111	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 123*
2-Fluorobiphenyl	*72*		*14 - 103*
2-Fluorophenol (Surr)	*72*		*10 - 105*
Nitrobenzene-d5 (Surr)	*70*		*11 - 104*
Phenol-d5 (Surr)	*73*		*15 - 100*
Terphenyl-d14 (Surr)	*79*		*12 - 126*

Lab Sample ID: 460-235930-E-4-A MS
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.39	U	3.99	2.10	*	mg/Kg	☼	53	65 - 110
1,2,4,5-Tetrachlorobenzene	0.39	U	3.99	1.83	*	mg/Kg	☼	46	64 - 110
1,4-Dioxane	0.039	U	3.99	1.25		mg/Kg	☼	31	31 - 81
2,2'-oxybis[1-chloropropane]	0.39	U	3.99	1.92	*	mg/Kg	☼	48	49 - 109
2,3,4,6-Tetrachlorophenol	0.39	U	3.99	2.74		mg/Kg	☼	69	58 - 113
2,4,5-Trichlorophenol	0.39	U	3.99	2.63		mg/Kg	☼	66	64 - 112
2,4,6-Trichlorophenol	0.16	U	3.99	2.55		mg/Kg	☼	64	63 - 113
2,4-Dichlorophenol	0.16	U	3.99	2.76		mg/Kg	☼	69	66 - 113
2,4-Dimethylphenol	0.39	U	3.99	2.77		mg/Kg	☼	70	63 - 107
2,4-Dinitrophenol	0.32	U	7.97	1.13	*	mg/Kg	☼	14	25 - 150
2,4-Dinitrotoluene	0.080	U	3.99	2.89		mg/Kg	☼	73	65 - 124
2,6-Dinitrotoluene	0.080	U	3.99	2.83		mg/Kg	☼	71	67 - 121
2-Chloronaphthalene	0.39	U	3.99	2.10	*	mg/Kg	☼	53	65 - 109
2-Chlorophenol	0.39	U	3.99	2.65		mg/Kg	☼	67	63 - 106
2-Methylnaphthalene	0.39	U	3.99	2.18	*	mg/Kg	☼	55	64 - 108
2-Methylphenol	0.39	U	3.99	3.26		mg/Kg	☼	82	63 - 108
2-Nitroaniline	0.39	U	3.99	2.62		mg/Kg	☼	66	59 - 119
2-Nitrophenol	0.39	U	3.99	2.25	*	mg/Kg	☼	56	64 - 112
3,3'-Dichlorobenzidine	0.16	U	3.99	2.41		mg/Kg	☼	60	17 - 101
3-Nitroaniline	0.39	U	3.99	2.86		mg/Kg	☼	72	31 - 102
4,6-Dinitro-2-methylphenol	0.32	U	7.97	1.84	*	mg/Kg	☼	23	44 - 136
4-Bromophenyl phenyl ether	0.39	U	3.99	2.02	*	mg/Kg	☼	51	67 - 113
4-Chloro-3-methylphenol	0.39	U	3.99	3.08		mg/Kg	☼	77	66 - 114
4-Chloroaniline	0.39	U	3.99	2.87		mg/Kg	☼	72	20 - 98
4-Chlorophenyl phenyl ether	0.39	U	3.99	2.35	*	mg/Kg	☼	59	66 - 110
4-Methylphenol	0.39	U	3.99	2.77		mg/Kg	☼	69	61 - 108
4-Nitroaniline	0.39	U	3.99	2.96		mg/Kg	☼	74	50 - 110
4-Nitrophenol	0.80	U	7.97	6.24		mg/Kg	☼	78	47 - 123
Acenaphthene	0.39	U	3.99	2.15		mg/Kg	☼	54	53 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235930-E-4-A MS
Matrix: Solid
Analysis Batch: 782628

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	0.39	U	3.99	2.21	*	mg/Kg	☼	56	64 - 108
Acetophenone	0.39	U	3.99	2.55		mg/Kg	☼	64	61 - 103
Anthracene	0.39	U	3.99	2.16	*	mg/Kg	☼	54	67 - 114
Atrazine	0.16	U	1.59	1.41		mg/Kg	☼	89	44 - 145
Benzaldehyde	0.39	U	1.59	1.32		mg/Kg	☼	83	43 - 150
Benzo[a]anthracene	0.039	U	3.99	1.98	*	mg/Kg	☼	50	67 - 115
Benzo[a]pyrene	0.039	U	3.99	2.28	*	mg/Kg	☼	57	73 - 123
Benzo[b]fluoranthene	0.039	U	3.99	2.19	*	mg/Kg	☼	55	70 - 125
Benzo[g,h,i]perylene	0.39	U	3.99	2.19	*	mg/Kg	☼	55	61 - 113
Benzo[k]fluoranthene	0.039	U	3.99	2.22	*	mg/Kg	☼	56	67 - 115
Bis(2-chloroethoxy)methane	0.39	U	3.99	2.58		mg/Kg	☼	65	62 - 107
Bis(2-chloroethyl)ether	0.039	U	3.99	2.58		mg/Kg	☼	65	60 - 107
Bis(2-ethylhexyl) phthalate	0.39	U	3.99	1.77	*	mg/Kg	☼	44	59 - 111
Butyl benzyl phthalate	0.39	U	3.99	2.10	*	mg/Kg	☼	53	62 - 113
Caprolactam	0.39	U	1.59	1.53		mg/Kg	☼	96	59 - 140
Carbazole	0.39	U	3.99	2.38	*	mg/Kg	☼	60	64 - 113
Chrysene	0.39	U	3.99	2.01	*	mg/Kg	☼	50	71 - 122
Dibenz(a,h)anthracene	0.039	U	3.99	2.31	*	mg/Kg	☼	58	66 - 119
Dibenzofuran	0.39	U	3.99	2.33	*	mg/Kg	☼	58	65 - 108
Diethyl phthalate	0.39	U	3.99	2.86		mg/Kg	☼	72	63 - 109
Dimethyl phthalate	0.39	U	3.99	2.86		mg/Kg	☼	72	65 - 109
Di-n-butyl phthalate	0.39	U	3.99	2.33	*	mg/Kg	☼	58	66 - 114
Di-n-octyl phthalate	0.39	U	3.99	1.75	*	mg/Kg	☼	44	65 - 122
Fluoranthene	0.39	U	3.99	2.31	*	mg/Kg	☼	58	61 - 106
Fluorene	0.39	U	3.99	2.38	*	mg/Kg	☼	60	65 - 109
Hexachlorobenzene	0.039	U	3.99	1.83	*	mg/Kg	☼	46	61 - 113
Hexachlorobutadiene	0.080	U	3.99	1.59	*	mg/Kg	☼	40	62 - 109
Hexachlorocyclopentadiene	0.39	U	3.99	0.769	*	mg/Kg	☼	19	42 - 118
Hexachloroethane	0.039	U	3.99	1.13	*	mg/Kg	☼	28	61 - 102
Indeno[1,2,3-cd]pyrene	0.039	U	3.99	2.31	*	mg/Kg	☼	58	62 - 121
Isophorone	0.16	U	3.99	2.69		mg/Kg	☼	68	63 - 107
Naphthalene	0.39	U	3.99	2.02	*	mg/Kg	☼	51	63 - 106
Nitrobenzene	0.039	U	3.99	2.37	*	mg/Kg	☼	60	63 - 110
N-Nitrosodi-n-propylamine	0.039	U	3.99	2.61		mg/Kg	☼	65	61 - 108
N-Nitrosodiphenylamine	0.39	U	3.99	2.14	*	mg/Kg	☼	54	67 - 113
Pentachlorophenol	0.32	U	7.97	5.07		mg/Kg	☼	64	44 - 126
Phenanthrene	0.39	U	3.99	2.17	*	mg/Kg	☼	55	66 - 112
Phenol	0.39	U	3.99	3.22		mg/Kg	☼	81	63 - 110
Pyrene	0.39	U	3.99	2.02	*	mg/Kg	☼	51	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 123*
2-Fluorobiphenyl	*51*		*14 - 103*
2-Fluorophenol (Surr)	*68*		*10 - 105*
Nitrobenzene-d5 (Surr)	*54*		*11 - 104*
Phenol-d5 (Surr)	*74*		*15 - 100*
Terphenyl-d14 (Surr)	*53*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235930-E-4-B MSD
Matrix: Solid
Analysis Batch: 782811

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.39	U	3.99	1.67	*	mg/Kg	☼	42	65 - 110	23	30
1,2,4,5-Tetrachlorobenzene	0.39	U	3.99	1.43	*	mg/Kg	☼	36	64 - 110	24	30
1,4-Dioxane	0.039	U	3.99	0.847	*	mg/Kg	☼	21	31 - 81	39	30
2,2'-oxybis[1-chloropropane]	0.39	U	3.99	1.66	*	mg/Kg	☼	42	49 - 109	15	30
2,3,4,6-Tetrachlorophenol	0.39	U	3.99	1.61	*	mg/Kg	☼	40	58 - 113	52	30
2,4,5-Trichlorophenol	0.39	U	3.99	1.76	*	mg/Kg	☼	44	64 - 112	40	30
2,4,6-Trichlorophenol	0.16	U	3.99	1.75	*	mg/Kg	☼	44	63 - 113	37	30
2,4-Dichlorophenol	0.16	U	3.99	1.88	*	mg/Kg	☼	47	66 - 113	38	30
2,4-Dimethylphenol	0.39	U	3.99	1.88	*	mg/Kg	☼	47	63 - 107	39	30
2,4-Dinitrophenol	0.32	U	7.97	0.32	U *	mg/Kg	☼	0	25 - 150	NC	30
2,4-Dinitrotoluene	0.080	U	3.99	1.81	*	mg/Kg	☼	45	65 - 124	46	30
2,6-Dinitrotoluene	0.080	U	3.99	1.81	*	mg/Kg	☼	45	67 - 121	44	30
2-Chloronaphthalene	0.39	U	3.99	1.62	*	mg/Kg	☼	41	65 - 109	26	30
2-Chlorophenol	0.39	U	3.99	1.86	*	mg/Kg	☼	47	63 - 106	35	30
2-Methylnaphthalene	0.39	U	3.99	1.57	*	mg/Kg	☼	39	64 - 108	32	30
2-Methylphenol	0.39	U	3.99	1.96	*	mg/Kg	☼	49	63 - 108	50	30
2-Nitroaniline	0.39	U	3.99	1.64	*	mg/Kg	☼	41	59 - 119	46	30
2-Nitrophenol	0.39	U	3.99	1.72	*	mg/Kg	☼	43	64 - 112	27	30
3,3'-Dichlorobenzidine	0.16	U	3.99	1.72	*	mg/Kg	☼	43	17 - 101	33	30
3-Nitroaniline	0.39	U	3.99	1.81	*	mg/Kg	☼	45	31 - 102	45	30
4,6-Dinitro-2-methylphenol	0.32	U	7.97	1.42	*	mg/Kg	☼	18	44 - 136	26	30
4-Bromophenyl phenyl ether	0.39	U	3.99	1.71	*	mg/Kg	☼	43	67 - 113	17	30
4-Chloro-3-methylphenol	0.39	U	3.99	1.91	*	mg/Kg	☼	48	66 - 114	47	30
4-Chloroaniline	0.39	U	3.99	1.68	*	mg/Kg	☼	42	20 - 98	52	30
4-Chlorophenyl phenyl ether	0.39	U	3.99	1.71	*	mg/Kg	☼	43	66 - 110	31	30
4-Methylphenol	0.39	U	3.99	1.81	*	mg/Kg	☼	45	61 - 108	42	30
4-Nitroaniline	0.39	U	3.99	1.48	*	mg/Kg	☼	37	50 - 110	67	30
4-Nitrophenol	0.80	U	7.97	3.30	*	mg/Kg	☼	41	47 - 123	62	30
Acenaphthene	0.39	U	3.99	1.41	*	mg/Kg	☼	35	53 - 110	42	30
Acenaphthylene	0.39	U	3.99	1.70	*	mg/Kg	☼	43	64 - 108	26	30
Acetophenone	0.39	U	3.99	1.76	*	mg/Kg	☼	44	61 - 103	37	30
Anthracene	0.39	U	3.99	1.69	*	mg/Kg	☼	42	67 - 114	24	30
Atrazine	0.16	U	1.59	1.01	*	mg/Kg	☼	63	44 - 145	33	30
Benzaldehyde	0.39	U	1.59	0.878	*	mg/Kg	☼	55	43 - 150	40	30
Benzo[a]anthracene	0.039	U	3.99	1.68	*	mg/Kg	☼	42	67 - 115	16	30
Benzo[a]pyrene	0.039	U	3.99	1.91	*	mg/Kg	☼	48	73 - 123	18	30
Benzo[b]fluoranthene	0.039	U	3.99	1.80	*	mg/Kg	☼	45	70 - 125	20	30
Benzo[g,h,i]perylene	0.39	U	3.99	1.73	*	mg/Kg	☼	43	61 - 113	23	30
Benzo[k]fluoranthene	0.039	U	3.99	1.85	*	mg/Kg	☼	47	67 - 115	18	30
Bis(2-chloroethoxy)methane	0.39	U	3.99	1.86	*	mg/Kg	☼	47	62 - 107	33	30
Bis(2-chloroethyl)ether	0.039	U	3.99	1.67	*	mg/Kg	☼	42	60 - 107	43	30
Bis(2-ethylhexyl) phthalate	0.39	U	3.99	1.62	*	mg/Kg	☼	41	59 - 111	9	30
Butyl benzyl phthalate	0.39	U	3.99	1.69	*	mg/Kg	☼	42	62 - 113	21	30
Caprolactam	0.39	U	1.59	0.723	*	mg/Kg	☼	45	59 - 140	72	30
Carbazole	0.39	U	3.99	1.73	*	mg/Kg	☼	44	64 - 113	31	30
Chrysene	0.39	U	3.99	1.66	*	mg/Kg	☼	42	71 - 122	19	30
Dibenz(a,h)anthracene	0.039	U	3.99	1.82	*	mg/Kg	☼	46	66 - 119	24	30
Dibenzofuran	0.39	U	3.99	1.72	*	mg/Kg	☼	43	65 - 108	30	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-235930-E-4-B MSD
Matrix: Solid
Analysis Batch: 782811

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate	0.39	U	3.99	1.74	*	mg/Kg	☼	44	63 - 109	49	30
Dimethyl phthalate	0.39	U	3.99	1.74	*	mg/Kg	☼	44	65 - 109	49	30
Di-n-butyl phthalate	0.39	U	3.99	1.72	*	mg/Kg	☼	43	66 - 114	30	30
Di-n-octyl phthalate	0.39	U	3.99	1.76	*	mg/Kg	☼	44	65 - 122	1	30
Fluoranthene	0.39	U	3.99	1.69	*	mg/Kg	☼	42	61 - 106	31	30
Fluorene	0.39	U	3.99	1.69	*	mg/Kg	☼	42	65 - 109	34	30
Hexachlorobenzene	0.039	U	3.99	1.71	*	mg/Kg	☼	43	61 - 113	7	30
Hexachlorobutadiene	0.080	U	3.99	1.02	*	mg/Kg	☼	25	62 - 109	44	30
Hexachlorocyclopentadiene	0.39	U	3.99	0.239	J *	mg/Kg	☼	6	42 - 118	105	30
Hexachloroethane	0.039	U	3.99	0.601	*	mg/Kg	☼	15	61 - 102	61	30
Indeno[1,2,3-cd]pyrene	0.039	U	3.99	2.16	*	mg/Kg	☼	54	62 - 121	7	30
Isophorone	0.16	U	3.99	1.94	*	mg/Kg	☼	49	63 - 107	33	30
Naphthalene	0.39	U	3.99	1.50	*	mg/Kg	☼	38	63 - 106	29	30
Nitrobenzene	0.039	U	3.99	1.76	*	mg/Kg	☼	44	63 - 110	30	30
N-Nitrosodi-n-propylamine	0.039	U	3.99	1.97	*	mg/Kg	☼	49	61 - 108	28	30
N-Nitrosodiphenylamine	0.39	U	3.99	1.73	*	mg/Kg	☼	43	67 - 113	21	30
Pentachlorophenol	0.32	U	7.97	2.37	*	mg/Kg	☼	30	44 - 126	73	30
Phenanthrene	0.39	U	3.99	1.69	*	mg/Kg	☼	43	66 - 112	25	30
Phenol	0.39	U	3.99	2.01	*	mg/Kg	☼	50	63 - 110	46	30
Pyrene	0.39	U	3.99	1.60	*	mg/Kg	☼	40	61 - 111	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*46*		*10 - 123*
2-Fluorobiphenyl	*40*		*14 - 103*
2-Fluorophenol (Surr)	*44*		*10 - 105*
Nitrobenzene-d5 (Surr)	*42*		*11 - 104*
Phenol-d5 (Surr)	*46*		*15 - 100*
Terphenyl-d14 (Surr)	*43*		*12 - 126*

Lab Sample ID: MB 460-782712/1-A
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/07/21 09:47	06/07/21 22:42	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:47	06/07/21 22:42	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:47	06/07/21 22:42	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:47	06/07/21 22:42	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:47	06/07/21 22:42	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:47	06/07/21 22:42	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:47	06/07/21 22:42	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:47	06/07/21 22:42	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:47	06/07/21 22:42	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:47	06/07/21 22:42	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:47	06/07/21 22:42	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:47	06/07/21 22:42	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-782712/1-A
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782712

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		33 - 150	06/07/21 09:47	06/07/21 22:42	1
2-Fluorobiphenyl	113		42 - 127	06/07/21 09:47	06/07/21 22:42	1
2-Fluorophenol (Surr)	70		18 - 72	06/07/21 09:47	06/07/21 22:42	1
Nitrobenzene-d5 (Surr)	124		46 - 137	06/07/21 09:47	06/07/21 22:42	1
Phenol-d5 (Surr)	43		10 - 50	06/07/21 09:47	06/07/21 22:42	1
Terphenyl-d14 (Surr)	139		39 - 150	06/07/21 09:47	06/07/21 22:42	1

Lab Sample ID: LCS 460-782712/2-A
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0814		mg/L		102	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0816		mg/L		102	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0811		mg/L		101	66 - 117
3 & 4 Methylphenol	0.0800	0.0541		mg/L		68	43 - 78
2,4-Dinitrotoluene	0.0800	0.0776		mg/L		97	68 - 134
Pyridine	0.160	0.0918		mg/L		57	13 - 71
2-Methylphenol	0.0800	0.0609		mg/L		76	48 - 88
Hexachlorobenzene	0.0800	0.0803		mg/L		100	61 - 117
Hexachlorobutadiene	0.0800	0.0882		mg/L		110	10 - 133
Hexachloroethane	0.0800	0.0869		mg/L		109	17 - 115
Nitrobenzene	0.0800	0.0785		mg/L		98	71 - 116
Pentachlorophenol	0.160	0.142		mg/L		89	54 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	92		33 - 150
2-Fluorobiphenyl	102		42 - 127
2-Fluorophenol (Surr)	66		18 - 72
Nitrobenzene-d5 (Surr)	110		46 - 137
Phenol-d5 (Surr)	40		10 - 50
Terphenyl-d14 (Surr)	124		39 - 150

Lab Sample ID: LCSD 460-782712/3-A
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0840	*	mg/L		105	40 - 102	3	30
2,4,5-Trichlorophenol	0.0800	0.0791		mg/L		99	63 - 112	3	30
2,4,6-Trichlorophenol	0.0800	0.0815		mg/L		102	66 - 117	1	30
3 & 4 Methylphenol	0.0800	0.0547		mg/L		68	43 - 78	1	30
2,4-Dinitrotoluene	0.0800	0.0800		mg/L		100	68 - 134	3	30
Pyridine	0.160	0.0929		mg/L		58	13 - 71	1	30
2-Methylphenol	0.0800	0.0611		mg/L		76	48 - 88	0	30
Hexachlorobenzene	0.0800	0.0778		mg/L		97	61 - 117	3	30
Hexachlorobutadiene	0.0800	0.0888		mg/L		111	10 - 133	1	30
Hexachloroethane	0.0800	0.0892		mg/L		112	17 - 115	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-782712/3-A
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene			0.0800	0.0810		mg/L		101	71 - 116	3	30
Pentachlorophenol			0.160	0.141		mg/L		88	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*33 - 150*
2-Fluorobiphenyl	*103*		*42 - 127*
2-Fluorophenol (Surr)	*65*		*18 - 72*
Nitrobenzene-d5 (Surr)	*111*		*46 - 137*
Phenol-d5 (Surr)	*41*		*10 - 50*
Terphenyl-d14 (Surr)	*123*		*39 - 150*

Lab Sample ID: MB 460-782951/1-A
Matrix: Solid
Analysis Batch: 783039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/08/21 10:18	06/08/21 20:03	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/08/21 10:18	06/08/21 20:03	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/08/21 10:18	06/08/21 20:03	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/08/21 10:18	06/08/21 20:03	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/08/21 10:18	06/08/21 20:03	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/08/21 10:18	06/08/21 20:03	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/08/21 10:18	06/08/21 20:03	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/08/21 10:18	06/08/21 20:03	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/08/21 10:18	06/08/21 20:03	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/08/21 10:18	06/08/21 20:03	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/08/21 10:18	06/08/21 20:03	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/08/21 10:18	06/08/21 20:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*06/08/21 10:18*	*06/08/21 20:03*	*1*
2-Fluorobiphenyl	*80*		*42 - 127*	*06/08/21 10:18*	*06/08/21 20:03*	*1*
2-Fluorophenol (Surr)	*59*		*18 - 72*	*06/08/21 10:18*	*06/08/21 20:03*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*	*06/08/21 10:18*	*06/08/21 20:03*	*1*
Phenol-d5 (Surr)	*50*		*10 - 50*	*06/08/21 10:18*	*06/08/21 20:03*	*1*
Terphenyl-d14 (Surr)	*123*		*39 - 150*	*06/08/21 10:18*	*06/08/21 20:03*	*1*

Lab Sample ID: LCS 460-782951/2-A
Matrix: Solid
Analysis Batch: 783039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782951

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene			0.0800	0.0759		mg/L		95	40 - 102
2,4,5-Trichlorophenol			0.0800	0.0793		mg/L		99	63 - 112
2,4,6-Trichlorophenol			0.0800	0.0828		mg/L		104	66 - 117
3 & 4 Methylphenol			0.0800	0.0536		mg/L		67	43 - 78
2,4-Dinitrotoluene			0.0800	0.0919		mg/L		115	68 - 134
Pyridine			0.160	0.0715		mg/L		45	13 - 71

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-782951/2-A
Matrix: Solid
Analysis Batch: 783039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.0800	0.0607		mg/L		76	48 - 88
Hexachlorobenzene	0.0800	0.0787		mg/L		98	61 - 117
Hexachlorobutadiene	0.0800	0.0898		mg/L		112	10 - 133
Hexachloroethane	0.0800	0.0778		mg/L		97	17 - 115
Nitrobenzene	0.0800	0.0900		mg/L		112	71 - 116
Pentachlorophenol	0.160	0.176		mg/L		110	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*33 - 150*
2-Fluorobiphenyl	*98*		*42 - 127*
2-Fluorophenol (Surr)	*50*		*18 - 72*
Nitrobenzene-d5 (Surr)	*94*		*46 - 137*
Phenol-d5 (Surr)	*33*		*10 - 50*
Terphenyl-d14 (Surr)	*91*		*39 - 150*

Lab Sample ID: LCSD 460-782951/3-A
Matrix: Solid
Analysis Batch: 783039

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0778		mg/L		97	40 - 102	2	30
2,4,5-Trichlorophenol	0.0800	0.0781		mg/L		98	63 - 112	1	30
2,4,6-Trichlorophenol	0.0800	0.0831		mg/L		104	66 - 117	0	30
3 & 4 Methylphenol	0.0800	0.0557		mg/L		70	43 - 78	4	30
2,4-Dinitrotoluene	0.0800	0.0903		mg/L		113	68 - 134	2	30
Pyridine	0.160	0.0740		mg/L		46	13 - 71	3	30
2-Methylphenol	0.0800	0.0621		mg/L		78	48 - 88	2	30
Hexachlorobenzene	0.0800	0.0788		mg/L		99	61 - 117	0	30
Hexachlorobutadiene	0.0800	0.0896		mg/L		112	10 - 133	0	30
Hexachloroethane	0.0800	0.0786		mg/L		98	17 - 115	1	30
Nitrobenzene	0.0800	0.0896		mg/L		112	71 - 116	0	30
Pentachlorophenol	0.160	0.179		mg/L		112	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*33 - 150*
2-Fluorobiphenyl	*96*		*42 - 127*
2-Fluorophenol (Surr)	*52*		*18 - 72*
Nitrobenzene-d5 (Surr)	*94*		*46 - 137*
Phenol-d5 (Surr)	*34*		*10 - 50*
Terphenyl-d14 (Surr)	*90*		*39 - 150*

Lab Sample ID: LB 460-782374/1-E
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782553

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/06/21 07:08	06/06/21 19:40	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/06/21 07:08	06/06/21 19:40	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-782374/1-E
Matrix: Solid
Analysis Batch: 782611

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782553

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/06/21 07:08	06/06/21 19:40	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/06/21 07:08	06/06/21 19:40	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/06/21 07:08	06/06/21 19:40	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/06/21 07:08	06/06/21 19:40	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/06/21 07:08	06/06/21 19:40	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/06/21 07:08	06/06/21 19:40	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/06/21 07:08	06/06/21 19:40	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/06/21 07:08	06/06/21 19:40	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/06/21 07:08	06/06/21 19:40	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/06/21 07:08	06/06/21 19:40	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 150*	*06/06/21 07:08*	*06/06/21 19:40*	*1*
2-Fluorobiphenyl	*91*		*42 - 127*	*06/06/21 07:08*	*06/06/21 19:40*	*1*
2-Fluorophenol (Surr)	*53*		*18 - 72*	*06/06/21 07:08*	*06/06/21 19:40*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 137*	*06/06/21 07:08*	*06/06/21 19:40*	*1*
Phenol-d5 (Surr)	*30*		*10 - 50*	*06/06/21 07:08*	*06/06/21 19:40*	*1*
Terphenyl-d14 (Surr)	*119*		*39 - 150*	*06/06/21 07:08*	*06/06/21 19:40*	*1*

Lab Sample ID: LB 460-782633/1-B
Matrix: Solid
Analysis Batch: 782849

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782712

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/07/21 09:48	06/07/21 23:45	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/07/21 09:48	06/07/21 23:45	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/07/21 09:48	06/07/21 23:45	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/07/21 09:48	06/07/21 23:45	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/07/21 09:48	06/07/21 23:45	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/07/21 09:48	06/07/21 23:45	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/07/21 09:48	06/07/21 23:45	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/07/21 09:48	06/07/21 23:45	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/07/21 09:48	06/07/21 23:45	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/07/21 09:48	06/07/21 23:45	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/07/21 09:48	06/07/21 23:45	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/07/21 09:48	06/07/21 23:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 150*	*06/07/21 09:48*	*06/07/21 23:45*	*1*
2-Fluorobiphenyl	*62*		*42 - 127*	*06/07/21 09:48*	*06/07/21 23:45*	*1*
2-Fluorophenol (Surr)	*47*		*18 - 72*	*06/07/21 09:48*	*06/07/21 23:45*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*	*06/07/21 09:48*	*06/07/21 23:45*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*06/07/21 09:48*	*06/07/21 23:45*	*1*
Terphenyl-d14 (Surr)	*122*		*39 - 150*	*06/07/21 09:48*	*06/07/21 23:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-782828/1-B
Matrix: Solid
Analysis Batch: 783039

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782951

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/08/21 10:19	06/08/21 21:45	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/08/21 10:19	06/08/21 21:45	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/08/21 10:19	06/08/21 21:45	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/08/21 10:19	06/08/21 21:45	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/08/21 10:19	06/08/21 21:45	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/08/21 10:19	06/08/21 21:45	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/08/21 10:19	06/08/21 21:45	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/08/21 10:19	06/08/21 21:45	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/08/21 10:19	06/08/21 21:45	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/08/21 10:19	06/08/21 21:45	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/08/21 10:19	06/08/21 21:45	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/08/21 10:19	06/08/21 21:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*33 - 150*	*06/08/21 10:19*	*06/08/21 21:45*	*1*
2-Fluorobiphenyl	*73*		*42 - 127*	*06/08/21 10:19*	*06/08/21 21:45*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*06/08/21 10:19*	*06/08/21 21:45*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*06/08/21 10:19*	*06/08/21 21:45*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/08/21 10:19*	*06/08/21 21:45*	*1*
Terphenyl-d14 (Surr)	*117*		*39 - 150*	*06/08/21 10:19*	*06/08/21 21:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-781873/1-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/02/21 17:47	06/03/21 06:01	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/02/21 17:47	06/03/21 06:01	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-781873/1-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781873

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		10 - 150	06/02/21 17:47	06/03/21 06:01	1
DCB Decachlorobiphenyl	117		10 - 150	06/02/21 17:47	06/03/21 06:01	1
Tetrachloro-m-xylene	103		10 - 133	06/02/21 17:47	06/03/21 06:01	1
Tetrachloro-m-xylene	104		10 - 133	06/02/21 17:47	06/03/21 06:01	1

Lab Sample ID: LCS 460-781873/2-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.140		mg/Kg		105	70 - 140
4,4'-DDD	0.133	0.152		mg/Kg		114	70 - 140
4,4'-DDE	0.133	0.140		mg/Kg		105	71 - 137
4,4'-DDE	0.133	0.153		mg/Kg		115	71 - 137
4,4'-DDT	0.133	0.139		mg/Kg		104	63 - 131
4,4'-DDT	0.133	0.152		mg/Kg		114	63 - 131
Aldrin	0.133	0.138		mg/Kg		103	74 - 140
Aldrin	0.133	0.144		mg/Kg		108	74 - 140
alpha-BHC	0.133	0.138		mg/Kg		104	72 - 142
alpha-BHC	0.133	0.144		mg/Kg		108	72 - 142
beta-BHC	0.133	0.143		mg/Kg		107	65 - 137
beta-BHC	0.133	0.146		mg/Kg		110	65 - 137
delta-BHC	0.133	0.140		mg/Kg		105	70 - 143
delta-BHC	0.133	0.143		mg/Kg		107	70 - 143
Dieldrin	0.133	0.139		mg/Kg		104	70 - 135
Dieldrin	0.133	0.147		mg/Kg		110	70 - 135
Endosulfan I	0.133	0.135		mg/Kg		101	68 - 135
Endosulfan I	0.133	0.147		mg/Kg		110	68 - 135
Endosulfan II	0.133	0.144		mg/Kg		108	64 - 130
Endosulfan II	0.133	0.157		mg/Kg		117	64 - 130
Endosulfan sulfate	0.133	0.145		mg/Kg		109	66 - 143
Endosulfan sulfate	0.133	0.159		mg/Kg		119	66 - 143
Endrin	0.133	0.136		mg/Kg		102	68 - 136
Endrin	0.133	0.142		mg/Kg		106	68 - 136
Endrin aldehyde	0.133	0.133		mg/Kg		100	68 - 132
Endrin aldehyde	0.133	0.140		mg/Kg		105	68 - 132
Endrin ketone	0.133	0.141		mg/Kg		105	60 - 150
Endrin ketone	0.133	0.146		mg/Kg		109	60 - 150
gamma-BHC (Lindane)	0.133	0.139		mg/Kg		104	70 - 134
gamma-BHC (Lindane)	0.133	0.145		mg/Kg		109	70 - 134
Heptachlor	0.133	0.137		mg/Kg		103	69 - 134
Heptachlor	0.133	0.145		mg/Kg		109	69 - 134
Heptachlor epoxide	0.133	0.136		mg/Kg		102	70 - 135
Heptachlor epoxide	0.133	0.144		mg/Kg		108	70 - 135
Methoxychlor	0.133	0.135		mg/Kg		101	57 - 135
Methoxychlor	0.133	0.143		mg/Kg		107	57 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-781873/2-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781873

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	101		10 - 150
DCB Decachlorobiphenyl	99		10 - 150
Tetrachloro-m-xylene	87		10 - 133
Tetrachloro-m-xylene	84		10 - 133

Lab Sample ID: LCSD 460-781873/3-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781873

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.146		mg/Kg		109	70 - 140	4	30
4,4'-DDD			0.133	0.156		mg/Kg		117	70 - 140	2	30
4,4'-DDE			0.133	0.145		mg/Kg		109	71 - 137	4	30
4,4'-DDE			0.133	0.154		mg/Kg		116	71 - 137	1	30
4,4'-DDT			0.133	0.142		mg/Kg		106	63 - 131	2	30
4,4'-DDT			0.133	0.153		mg/Kg		115	63 - 131	1	30
Aldrin			0.133	0.141		mg/Kg		106	74 - 140	3	30
Aldrin			0.133	0.150		mg/Kg		113	74 - 140	4	30
alpha-BHC			0.133	0.144		mg/Kg		108	72 - 142	4	30
alpha-BHC			0.133	0.149		mg/Kg		112	72 - 142	4	30
beta-BHC			0.133	0.145		mg/Kg		109	65 - 137	2	30
beta-BHC			0.133	0.147		mg/Kg		110	65 - 137	1	30
delta-BHC			0.133	0.146		mg/Kg		109	70 - 143	4	30
delta-BHC			0.133	0.148		mg/Kg		111	70 - 143	4	30
Dieldrin			0.133	0.144		mg/Kg		108	70 - 135	3	30
Dieldrin			0.133	0.152		mg/Kg		114	70 - 135	3	30
Endosulfan I			0.133	0.137		mg/Kg		103	68 - 135	1	30
Endosulfan I			0.133	0.149		mg/Kg		111	68 - 135	1	30
Endosulfan II			0.133	0.149		mg/Kg		112	64 - 130	3	30
Endosulfan II			0.133	0.160		mg/Kg		120	64 - 130	2	30
Endosulfan sulfate			0.133	0.148		mg/Kg		111	66 - 143	2	30
Endosulfan sulfate			0.133	0.163		mg/Kg		122	66 - 143	2	30
Endrin			0.133	0.139		mg/Kg		104	68 - 136	2	30
Endrin			0.133	0.143		mg/Kg		108	68 - 136	1	30
Endrin aldehyde			0.133	0.138		mg/Kg		103	68 - 132	3	30
Endrin aldehyde			0.133	0.145		mg/Kg		108	68 - 132	3	30
Endrin ketone			0.133	0.137		mg/Kg		103	60 - 150	2	30
Endrin ketone			0.133	0.149		mg/Kg		112	60 - 150	2	30
gamma-BHC (Lindane)			0.133	0.143		mg/Kg		107	70 - 134	3	30
gamma-BHC (Lindane)			0.133	0.148		mg/Kg		111	70 - 134	2	30
Heptachlor			0.133	0.142		mg/Kg		106	69 - 134	3	30
Heptachlor			0.133	0.149		mg/Kg		112	69 - 134	3	30
Heptachlor epoxide			0.133	0.141		mg/Kg		106	70 - 135	4	30
Heptachlor epoxide			0.133	0.149		mg/Kg		112	70 - 135	3	30
Methoxychlor			0.133	0.135		mg/Kg		101	57 - 135	0	30
Methoxychlor			0.133	0.145		mg/Kg		109	57 - 135	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-781873/3-A
Matrix: Solid
Analysis Batch: 781922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781873

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	101		10 - 150
DCB Decachlorobiphenyl	100		10 - 150
Tetrachloro-m-xylene	91		10 - 133
Tetrachloro-m-xylene	91		10 - 133

Lab Sample ID: MB 460-782095/1-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/03/21 17:56	06/04/21 05:35	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-782095/1-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/03/21 17:56	06/04/21 05:35	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/03/21 17:56	06/04/21 05:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*10 - 150*	*06/03/21 17:56*	*06/04/21 05:35*	*1*
DCB Decachlorobiphenyl	*103*		*10 - 150*	*06/03/21 17:56*	*06/04/21 05:35*	*1*
Tetrachloro-m-xylene	*97*		*10 - 133*	*06/03/21 17:56*	*06/04/21 05:35*	*1*
Tetrachloro-m-xylene	*93*		*10 - 133*	*06/03/21 17:56*	*06/04/21 05:35*	*1*

Lab Sample ID: LCS 460-782095/2-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.131		mg/Kg		98	70 - 140
4,4'-DDD	0.133	0.149		mg/Kg		112	70 - 140
4,4'-DDE	0.133	0.131		mg/Kg		99	71 - 137
4,4'-DDE	0.133	0.149		mg/Kg		112	71 - 137
4,4'-DDT	0.133	0.130		mg/Kg		98	63 - 131
4,4'-DDT	0.133	0.147		mg/Kg		111	63 - 131
Aldrin	0.133	0.128		mg/Kg		96	74 - 140
Aldrin	0.133	0.141		mg/Kg		106	74 - 140
alpha-BHC	0.133	0.138		mg/Kg		103	72 - 142
alpha-BHC	0.133	0.140		mg/Kg		105	72 - 142
beta-BHC	0.133	0.139		mg/Kg		104	65 - 137
beta-BHC	0.133	0.143		mg/Kg		107	65 - 137
delta-BHC	0.133	0.134		mg/Kg		101	70 - 143
delta-BHC	0.133	0.138		mg/Kg		103	70 - 143
Dieldrin	0.133	0.131		mg/Kg		98	70 - 135
Dieldrin	0.133	0.146		mg/Kg		110	70 - 135
Endosulfan I	0.133	0.127		mg/Kg		95	68 - 135
Endosulfan I	0.133	0.144		mg/Kg		108	68 - 135
Endosulfan II	0.133	0.135		mg/Kg		101	64 - 130
Endosulfan II	0.133	0.153		mg/Kg		115	64 - 130
Endosulfan sulfate	0.133	0.135		mg/Kg		102	66 - 143
Endosulfan sulfate	0.133	0.154		mg/Kg		116	66 - 143
Endrin	0.133	0.132		mg/Kg		99	68 - 136
Endrin	0.133	0.145		mg/Kg		109	68 - 136
Endrin aldehyde	0.133	0.125		mg/Kg		94	68 - 132
Endrin aldehyde	0.133	0.137		mg/Kg		103	68 - 132
Endrin ketone	0.133	0.123		mg/Kg		93	60 - 150
Endrin ketone	0.133	0.133		mg/Kg		100	60 - 150
gamma-BHC (Lindane)	0.133	0.136		mg/Kg		102	70 - 134
gamma-BHC (Lindane)	0.133	0.141		mg/Kg		106	70 - 134
Heptachlor	0.133	0.133		mg/Kg		100	69 - 134
Heptachlor	0.133	0.144		mg/Kg		108	69 - 134
Heptachlor epoxide	0.133	0.128		mg/Kg		96	70 - 135
Heptachlor epoxide	0.133	0.141		mg/Kg		106	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782095/2-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782095

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor			0.133	0.127		mg/Kg		95	57 - 135		
Methoxychlor			0.133	0.140		mg/Kg		105	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*88*		*10 - 133*

Lab Sample ID: LCSD 460-782095/3-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782095

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.135		mg/Kg		101	70 - 140	3	30
4,4'-DDD			0.133	0.150		mg/Kg		113	70 - 140	1	30
4,4'-DDE			0.133	0.136		mg/Kg		102	71 - 137	3	30
4,4'-DDE			0.133	0.150		mg/Kg		112	71 - 137	0	30
4,4'-DDT			0.133	0.133		mg/Kg		100	63 - 131	2	30
4,4'-DDT			0.133	0.148		mg/Kg		111	63 - 131	0	30
Aldrin			0.133	0.132		mg/Kg		99	74 - 140	3	30
Aldrin			0.133	0.144		mg/Kg		108	74 - 140	2	30
alpha-BHC			0.133	0.137		mg/Kg		103	72 - 142	1	30
alpha-BHC			0.133	0.144		mg/Kg		108	72 - 142	3	30
beta-BHC			0.133	0.140		mg/Kg		105	65 - 137	1	30
beta-BHC			0.133	0.147		mg/Kg		110	65 - 137	2	30
delta-BHC			0.133	0.136		mg/Kg		102	70 - 143	1	30
delta-BHC			0.133	0.141		mg/Kg		106	70 - 143	2	30
Dieldrin			0.133	0.135		mg/Kg		101	70 - 135	3	30
Dieldrin			0.133	0.147		mg/Kg		110	70 - 135	0	30
Endosulfan I			0.133	0.131		mg/Kg		98	68 - 135	3	30
Endosulfan I			0.133	0.144		mg/Kg		108	68 - 135	0	30
Endosulfan II			0.133	0.139		mg/Kg		105	64 - 130	3	30
Endosulfan II			0.133	0.154		mg/Kg		116	64 - 130	1	30
Endosulfan sulfate			0.133	0.136		mg/Kg		102	66 - 143	1	30
Endosulfan sulfate			0.133	0.154		mg/Kg		116	66 - 143	0	30
Endrin			0.133	0.135		mg/Kg		101	68 - 136	2	30
Endrin			0.133	0.145		mg/Kg		109	68 - 136	0	30
Endrin aldehyde			0.133	0.129		mg/Kg		96	68 - 132	3	30
Endrin aldehyde			0.133	0.139		mg/Kg		104	68 - 132	1	30
Endrin ketone			0.133	0.127		mg/Kg		95	60 - 150	3	30
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 150	0	30
gamma-BHC (Lindane)			0.133	0.136		mg/Kg		102	70 - 134	1	30
gamma-BHC (Lindane)			0.133	0.144		mg/Kg		108	70 - 134	2	30
Heptachlor			0.133	0.135		mg/Kg		101	69 - 134	1	30
Heptachlor			0.133	0.146		mg/Kg		109	69 - 134	2	30
Heptachlor epoxide			0.133	0.132		mg/Kg		99	70 - 135	3	30
Heptachlor epoxide			0.133	0.142		mg/Kg		107	70 - 135	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-782095/3-A
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782095

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor			0.133	0.128		mg/Kg		96	57 - 135	1	30
Methoxychlor			0.133	0.139		mg/Kg		105	57 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*10 - 150*
DCB Decachlorobiphenyl	*95*		*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*90*		*10 - 133*

Lab Sample ID: 460-235648-D-1-E MS
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0087	U	0.173	0.178		mg/Kg	☼	103	70 - 140
4,4'-DDD	0.0087	U	0.173	0.189		mg/Kg	☼	109	70 - 140
4,4'-DDE	0.0087	U	0.173	0.177		mg/Kg	☼	102	71 - 137
4,4'-DDE	0.0087	U	0.173	0.190		mg/Kg	☼	110	71 - 137
4,4'-DDT	0.0087	U	0.173	0.170		mg/Kg	☼	98	63 - 131
4,4'-DDT	0.0087	U	0.173	0.187		mg/Kg	☼	108	63 - 131
Aldrin	0.0087	U	0.173	0.175		mg/Kg	☼	101	74 - 140
Aldrin	0.0087	U	0.173	0.181		mg/Kg	☼	104	74 - 140
alpha-BHC	0.0026	U	0.173	0.177		mg/Kg	☼	102	72 - 142
alpha-BHC	0.0026	U	0.173	0.187		mg/Kg	☼	108	72 - 142
beta-BHC	0.0026	U	0.173	0.179		mg/Kg	☼	103	65 - 137
beta-BHC	0.0026	U	0.173	0.181		mg/Kg	☼	105	65 - 137
delta-BHC	0.0026	U	0.173	0.181		mg/Kg	☼	105	70 - 143
delta-BHC	0.0026	U	0.173	0.178		mg/Kg	☼	103	70 - 143
Dieldrin	0.0026	U	0.173	0.181		mg/Kg	☼	105	70 - 135
Dieldrin	0.0026	U	0.173	0.188		mg/Kg	☼	109	70 - 135
Endosulfan I	0.0087	U	0.173	0.173		mg/Kg	☼	100	68 - 135
Endosulfan I	0.0087	U	0.173	0.185		mg/Kg	☼	107	68 - 135
Endosulfan II	0.0087	U	0.173	0.183		mg/Kg	☼	106	64 - 130
Endosulfan II	0.0087	U	0.173	0.200		mg/Kg	☼	116	64 - 130
Endosulfan sulfate	0.0087	U	0.173	0.187		mg/Kg	☼	108	66 - 143
Endosulfan sulfate	0.0087	U	0.173	0.203		mg/Kg	☼	118	66 - 143
Endrin	0.0087	U	0.173	0.179		mg/Kg	☼	104	68 - 136
Endrin	0.0087	U	0.173	0.187		mg/Kg	☼	108	68 - 136
Endrin aldehyde	0.0087	U	0.173	0.170		mg/Kg	☼	98	68 - 132
Endrin aldehyde	0.0087	U	0.173	0.179		mg/Kg	☼	104	68 - 132
Endrin ketone	0.0087	U	0.173	0.175		mg/Kg	☼	101	60 - 150
Endrin ketone	0.0087	U	0.173	0.179		mg/Kg	☼	104	60 - 150
gamma-BHC (Lindane)	0.0026	U	0.173	0.180		mg/Kg	☼	104	70 - 134
gamma-BHC (Lindane)	0.0026	U	0.173	0.184		mg/Kg	☼	106	70 - 134
Heptachlor	0.0087	U	0.173	0.182		mg/Kg	☼	105	69 - 134
Heptachlor	0.0087	U	0.173	0.186		mg/Kg	☼	107	69 - 134
Heptachlor epoxide	0.0087	U	0.173	0.177		mg/Kg	☼	102	70 - 135
Heptachlor epoxide	0.0087	U	0.173	0.179		mg/Kg	☼	104	70 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235648-D-1-E MS
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor	0.0087	U	0.173	0.170		mg/Kg	☼	98	57 - 135		
Methoxychlor	0.0087	U	0.173	0.183		mg/Kg	☼	106	57 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*113*		*10 - 150*
DCB Decachlorobiphenyl	*218*	*	*10 - 150*
Tetrachloro-m-xylene	*92*		*10 - 133*
Tetrachloro-m-xylene	*95*		*10 - 133*

Lab Sample ID: 460-235648-D-1-F MSD
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0087	U	0.173	0.146		mg/Kg	☼	84	70 - 140	20	30
4,4'-DDD	0.0087	U	0.173	0.157		mg/Kg	☼	91	70 - 140	18	30
4,4'-DDE	0.0087	U	0.173	0.147		mg/Kg	☼	85	71 - 137	19	30
4,4'-DDE	0.0087	U	0.173	0.157		mg/Kg	☼	91	71 - 137	19	30
4,4'-DDT	0.0087	U	0.173	0.141		mg/Kg	☼	82	63 - 131	19	30
4,4'-DDT	0.0087	U	0.173	0.156		mg/Kg	☼	90	63 - 131	18	30
Aldrin	0.0087	U	0.173	0.145		mg/Kg	☼	84	74 - 140	19	30
Aldrin	0.0087	U	0.173	0.150		mg/Kg	☼	87	74 - 140	18	30
alpha-BHC	0.0026	U	0.173	0.147		mg/Kg	☼	85	72 - 142	19	30
alpha-BHC	0.0026	U	0.173	0.155		mg/Kg	☼	90	72 - 142	18	30
beta-BHC	0.0026	U	0.173	0.148		mg/Kg	☼	86	65 - 137	19	30
beta-BHC	0.0026	U	0.173	0.150		mg/Kg	☼	87	65 - 137	19	30
delta-BHC	0.0026	U	0.173	0.150		mg/Kg	☼	87	70 - 143	19	30
delta-BHC	0.0026	U	0.173	0.148		mg/Kg	☼	85	70 - 143	19	30
Dieldrin	0.0026	U	0.173	0.149		mg/Kg	☼	86	70 - 135	20	30
Dieldrin	0.0026	U	0.173	0.156		mg/Kg	☼	90	70 - 135	19	30
Endosulfan I	0.0087	U	0.173	0.143		mg/Kg	☼	82	68 - 135	19	30
Endosulfan I	0.0087	U	0.173	0.154		mg/Kg	☼	89	68 - 135	19	30
Endosulfan II	0.0087	U	0.173	0.151		mg/Kg	☼	87	64 - 130	19	30
Endosulfan II	0.0087	U	0.173	0.166		mg/Kg	☼	96	64 - 130	19	30
Endosulfan sulfate	0.0087	U	0.173	0.155		mg/Kg	☼	90	66 - 143	18	30
Endosulfan sulfate	0.0087	U	0.173	0.169		mg/Kg	☼	98	66 - 143	18	30
Endrin	0.0087	U	0.173	0.148		mg/Kg	☼	86	68 - 136	19	30
Endrin	0.0087	U	0.173	0.155		mg/Kg	☼	90	68 - 136	19	30
Endrin aldehyde	0.0087	U	0.173	0.139		mg/Kg	☼	80	68 - 132	20	30
Endrin aldehyde	0.0087	U	0.173	0.148		mg/Kg	☼	86	68 - 132	19	30
Endrin ketone	0.0087	U	0.173	0.143		mg/Kg	☼	83	60 - 150	20	30
Endrin ketone	0.0087	U	0.173	0.148		mg/Kg	☼	86	60 - 150	19	30
gamma-BHC (Lindane)	0.0026	U	0.173	0.150		mg/Kg	☼	86	70 - 134	19	30
gamma-BHC (Lindane)	0.0026	U	0.173	0.153		mg/Kg	☼	88	70 - 134	19	30
Heptachlor	0.0087	U	0.173	0.150		mg/Kg	☼	87	69 - 134	19	30
Heptachlor	0.0087	U	0.173	0.154		mg/Kg	☼	89	69 - 134	19	30
Heptachlor epoxide	0.0087	U	0.173	0.145		mg/Kg	☼	84	70 - 135	20	30
Heptachlor epoxide	0.0087	U	0.173	0.149		mg/Kg	☼	86	70 - 135	18	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235648-D-1-F MSD
Matrix: Solid
Analysis Batch: 782155

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	0.0087	U	0.173	0.141		mg/Kg	☼	81	57 - 135	19	30
Methoxychlor	0.0087	U	0.173	0.151		mg/Kg	☼	88	57 - 135	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*10 - 150*
DCB Decachlorobiphenyl	*269*	*	*10 - 150*
Tetrachloro-m-xylene	*86*		*10 - 133*
Tetrachloro-m-xylene	*87*		*10 - 133*

Lab Sample ID: MB 460-782464/1-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:09	06/07/21 05:46	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:09	06/07/21 05:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:09	06/07/21 05:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:09	06/07/21 05:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:09	06/07/21 05:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:09	06/07/21 05:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:09	06/07/21 05:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:09	06/07/21 05:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:09	06/07/21 05:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:09	06/07/21 05:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:09	06/07/21 05:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:09	06/07/21 05:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:09	06/07/21 05:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:09	06/07/21 05:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*06/05/21 13:09*	*06/07/21 05:46*	*1*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*06/05/21 13:09*	*06/07/21 05:46*	*1*
Tetrachloro-m-xylene	*85*		*10 - 150*	*06/05/21 13:09*	*06/07/21 05:46*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*06/05/21 13:09*	*06/07/21 05:46*	*1*

Lab Sample ID: LCS 460-782464/2-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000632		mg/L		79	64 - 130
cis-Chlordane	0.000800	0.000703		mg/L		88	64 - 130
trans-Chlordane	0.000800	0.000625		mg/L		78	65 - 132
trans-Chlordane	0.000800	0.000723		mg/L		90	65 - 132
Endrin	0.000800	0.000614		mg/L		77	67 - 132
Endrin	0.000800	0.000702		mg/L		88	67 - 132
gamma-BHC (Lindane)	0.000800	0.000675		mg/L		84	65 - 134
gamma-BHC (Lindane)	0.000800	0.000720		mg/L		90	65 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782464/2-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.000800	0.000611		mg/L		76	63 - 128		
Heptachlor			0.000800	0.000688		mg/L		86	63 - 128		
Heptachlor epoxide			0.000800	0.000637		mg/L		80	66 - 128		
Heptachlor epoxide			0.000800	0.000720		mg/L		90	66 - 128		
Methoxychlor			0.000800	0.000508		mg/L		63	42 - 151		
Methoxychlor			0.000800	0.000571		mg/L		71	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*

Lab Sample ID: LCSD 460-782464/3-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782464

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000648		mg/L		81	64 - 130	2	30
cis-Chlordane			0.000800	0.000753		mg/L		94	64 - 130	7	30
trans-Chlordane			0.000800	0.000641		mg/L		80	65 - 132	3	30
trans-Chlordane			0.000800	0.000774		mg/L		97	65 - 132	7	30
Endrin			0.000800	0.000619		mg/L		77	67 - 132	1	30
Endrin			0.000800	0.000737		mg/L		92	67 - 132	5	30
gamma-BHC (Lindane)			0.000800	0.000692		mg/L		86	65 - 134	3	30
gamma-BHC (Lindane)			0.000800	0.000769		mg/L		96	65 - 134	7	30
Heptachlor			0.000800	0.000624		mg/L		78	63 - 128	2	30
Heptachlor			0.000800	0.000737		mg/L		92	63 - 128	7	30
Heptachlor epoxide			0.000800	0.000655		mg/L		82	66 - 128	3	30
Heptachlor epoxide			0.000800	0.000772		mg/L		97	66 - 128	7	30
Methoxychlor			0.000800	0.000497	J	mg/L		62	42 - 151	2	30
Methoxychlor			0.000800	0.000594		mg/L		74	42 - 151	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 150*
Tetrachloro-m-xylene	*82*		*10 - 150*

Lab Sample ID: MB 460-782510/1-A
Matrix: Solid
Analysis Batch: 782870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/05/21 16:30	06/08/21 07:35	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-782510/1-A
Matrix: Solid
Analysis Batch: 782870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/05/21 16:30	06/08/21 07:35	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/05/21 16:30	06/08/21 07:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*10 - 150*	*06/05/21 16:30*	*06/08/21 07:35*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*06/05/21 16:30*	*06/08/21 07:35*	*1*
Tetrachloro-m-xylene	*99*		*10 - 133*	*06/05/21 16:30*	*06/08/21 07:35*	*1*
Tetrachloro-m-xylene	*88*		*10 - 133*	*06/05/21 16:30*	*06/08/21 07:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782510/2-A
Matrix: Solid
Analysis Batch: 782870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782510

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.133	0.139		mg/Kg		104	70 - 140		
4,4'-DDD			0.133	0.119		mg/Kg		90	70 - 140		
4,4'-DDE			0.133	0.142		mg/Kg		107	71 - 137		
4,4'-DDE			0.133	0.121		mg/Kg		90	71 - 137		
4,4'-DDT			0.133	0.113		mg/Kg		85	63 - 131		
4,4'-DDT			0.133	0.115		mg/Kg		86	63 - 131		
Aldrin			0.133	0.140		mg/Kg		105	74 - 140		
Aldrin			0.133	0.116		mg/Kg		87	74 - 140		
alpha-BHC			0.133	0.138		mg/Kg		104	72 - 142		
alpha-BHC			0.133	0.119		mg/Kg		89	72 - 142		
beta-BHC			0.133	0.134		mg/Kg		101	65 - 137		
beta-BHC			0.133	0.123		mg/Kg		92	65 - 137		
delta-BHC			0.133	0.142		mg/Kg		106	70 - 143		
delta-BHC			0.133	0.123		mg/Kg		92	70 - 143		
Dieldrin			0.133	0.140		mg/Kg		105	70 - 135		
Dieldrin			0.133	0.121		mg/Kg		91	70 - 135		
Endosulfan I			0.133	0.142		mg/Kg		107	68 - 135		
Endosulfan I			0.133	0.124		mg/Kg		93	68 - 135		
Endosulfan II			0.133	0.152		mg/Kg		114	64 - 130		
Endosulfan II			0.133	0.130		mg/Kg		98	64 - 130		
Endosulfan sulfate			0.133	0.144		mg/Kg		108	66 - 143		
Endosulfan sulfate			0.133	0.117		mg/Kg		88	66 - 143		
Endrin			0.133	0.139		mg/Kg		104	68 - 136		
Endrin			0.133	0.122		mg/Kg		91	68 - 136		
Endrin aldehyde			0.133	0.138		mg/Kg		103	68 - 132		
Endrin aldehyde			0.133	0.119		mg/Kg		89	68 - 132		
Endrin ketone			0.133	0.142		mg/Kg		106	60 - 150		
Endrin ketone			0.133	0.123		mg/Kg		92	60 - 150		
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	70 - 134		
gamma-BHC (Lindane)			0.133	0.120		mg/Kg		90	70 - 134		
Heptachlor			0.133	0.133		mg/Kg		100	69 - 134		
Heptachlor			0.133	0.115		mg/Kg		86	69 - 134		
Heptachlor epoxide			0.133	0.138		mg/Kg		104	70 - 135		
Heptachlor epoxide			0.133	0.115		mg/Kg		86	70 - 135		
Methoxychlor			0.133	0.106		mg/Kg		79	57 - 135		
Methoxychlor			0.133	0.0999		mg/Kg		75	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*91*		*10 - 133*
Tetrachloro-m-xylene	*68*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-782510/3-A
Matrix: Solid
Analysis Batch: 782870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782510

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.132		mg/Kg		99	70 - 140	5	30
4,4'-DDD			0.133	0.123		mg/Kg		92	70 - 140	3	30
4,4'-DDE			0.133	0.133		mg/Kg		100	71 - 137	7	30
4,4'-DDE			0.133	0.123		mg/Kg		92	71 - 137	2	30
4,4'-DDT			0.133	0.115		mg/Kg		87	63 - 131	2	30
4,4'-DDT			0.133	0.121		mg/Kg		91	63 - 131	6	30
Aldrin			0.133	0.130		mg/Kg		97	74 - 140	8	30
Aldrin			0.133	0.119		mg/Kg		89	74 - 140	2	30
alpha-BHC			0.133	0.128		mg/Kg		96	72 - 142	8	30
alpha-BHC			0.133	0.123		mg/Kg		92	72 - 142	3	30
beta-BHC			0.133	0.127		mg/Kg		95	65 - 137	6	30
beta-BHC			0.133	0.127		mg/Kg		95	65 - 137	4	30
delta-BHC			0.133	0.134		mg/Kg		100	70 - 143	6	30
delta-BHC			0.133	0.127		mg/Kg		95	70 - 143	3	30
Dieldrin			0.133	0.131		mg/Kg		99	70 - 135	7	30
Dieldrin			0.133	0.124		mg/Kg		93	70 - 135	2	30
Endosulfan I			0.133	0.134		mg/Kg		100	68 - 135	6	30
Endosulfan I			0.133	0.124		mg/Kg		93	68 - 135	0	30
Endosulfan II			0.133	0.141		mg/Kg		106	64 - 130	8	30
Endosulfan II			0.133	0.132		mg/Kg		99	64 - 130	1	30
Endosulfan sulfate			0.133	0.138		mg/Kg		103	66 - 143	5	30
Endosulfan sulfate			0.133	0.119		mg/Kg		89	66 - 143	1	30
Endrin			0.133	0.133		mg/Kg		100	68 - 136	4	30
Endrin			0.133	0.126		mg/Kg		94	68 - 136	3	30
Endrin aldehyde			0.133	0.130		mg/Kg		97	68 - 132	6	30
Endrin aldehyde			0.133	0.121		mg/Kg		90	68 - 132	1	30
Endrin ketone			0.133	0.138		mg/Kg		104	60 - 150	3	30
Endrin ketone			0.133	0.124		mg/Kg		93	60 - 150	1	30
gamma-BHC (Lindane)			0.133	0.130		mg/Kg		98	70 - 134	6	30
gamma-BHC (Lindane)			0.133	0.124		mg/Kg		93	70 - 134	3	30
Heptachlor			0.133	0.126		mg/Kg		95	69 - 134	5	30
Heptachlor			0.133	0.119		mg/Kg		89	69 - 134	3	30
Heptachlor epoxide			0.133	0.130		mg/Kg		97	70 - 135	6	30
Heptachlor epoxide			0.133	0.118		mg/Kg		89	70 - 135	3	30
Methoxychlor			0.133	0.106		mg/Kg		79	57 - 135	0	30
Methoxychlor			0.133	0.108		mg/Kg		81	57 - 135	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*85*		*10 - 150*
Tetrachloro-m-xylene	*72*		*10 - 133*
Tetrachloro-m-xylene	*70*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-782592/1-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/06/21 15:10	06/07/21 12:25	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/06/21 15:10	06/07/21 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/06/21 15:10*	*06/07/21 12:25*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/06/21 15:10*	*06/07/21 12:25*	*1*
Tetrachloro-m-xylene	*81*		*10 - 133*	*06/06/21 15:10*	*06/07/21 12:25*	*1*
Tetrachloro-m-xylene	*83*		*10 - 133*	*06/06/21 15:10*	*06/07/21 12:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782592/2-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782592

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.133	0.107		mg/Kg		80	70 - 140		
4,4'-DDD			0.133	0.128		mg/Kg		96	70 - 140		
4,4'-DDE			0.133	0.111		mg/Kg		83	71 - 137		
4,4'-DDE			0.133	0.119		mg/Kg		89	71 - 137		
4,4'-DDT			0.133	0.0938		mg/Kg		70	63 - 131		
4,4'-DDT			0.133	0.114		mg/Kg		85	63 - 131		
Aldrin			0.133	0.105		mg/Kg		79	74 - 140		
Aldrin			0.133	0.121		mg/Kg		91	74 - 140		
alpha-BHC			0.133	0.113		mg/Kg		84	72 - 142		
alpha-BHC			0.133	0.121		mg/Kg		91	72 - 142		
beta-BHC			0.133	0.125		mg/Kg		93	65 - 137		
beta-BHC			0.133	0.131		mg/Kg		98	65 - 137		
delta-BHC			0.133	0.113		mg/Kg		85	70 - 143		
delta-BHC			0.133	0.122		mg/Kg		92	70 - 143		
Dieldrin			0.133	0.106		mg/Kg		79	70 - 135		
Dieldrin			0.133	0.130		mg/Kg		98	70 - 135		
Endosulfan I			0.133	0.112		mg/Kg		84	68 - 135		
Endosulfan I			0.133	0.137		mg/Kg		103	68 - 135		
Endosulfan II			0.133	0.122		mg/Kg		92	64 - 130		
Endosulfan II			0.133	0.138		mg/Kg		103	64 - 130		
Endosulfan sulfate			0.133	0.106		mg/Kg		80	66 - 143		
Endosulfan sulfate			0.133	0.128		mg/Kg		96	66 - 143		
Endrin			0.133	0.103		mg/Kg		77	68 - 136		
Endrin			0.133	0.119		mg/Kg		89	68 - 136		
Endrin aldehyde			0.133	0.108		mg/Kg		81	68 - 132		
Endrin aldehyde			0.133	0.133		mg/Kg		99	68 - 132		
Endrin ketone			0.133	0.116		mg/Kg		87	60 - 150		
Endrin ketone			0.133	0.130		mg/Kg		97	60 - 150		
gamma-BHC (Lindane)			0.133	0.113		mg/Kg		85	70 - 134		
gamma-BHC (Lindane)			0.133	0.122		mg/Kg		92	70 - 134		
Heptachlor			0.133	0.105		mg/Kg		79	69 - 134		
Heptachlor			0.133	0.116		mg/Kg		87	69 - 134		
Heptachlor epoxide			0.133	0.109		mg/Kg		82	70 - 135		
Heptachlor epoxide			0.133	0.126		mg/Kg		95	70 - 135		
Methoxychlor			0.133	0.0883		mg/Kg		66	57 - 135		
Methoxychlor			0.133	0.0905		mg/Kg		68	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*77*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-782592/3-A
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782592

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.106		mg/Kg		79	70 - 140	1	30
4,4'-DDD			0.133	0.125		mg/Kg		94	70 - 140	2	30
4,4'-DDE			0.133	0.110		mg/Kg		83	71 - 137	0	30
4,4'-DDE			0.133	0.119		mg/Kg		89	71 - 137	0	30
4,4'-DDT			0.133	0.0912		mg/Kg		68	63 - 131	3	30
4,4'-DDT			0.133	0.110		mg/Kg		83	63 - 131	3	30
Aldrin			0.133	0.106		mg/Kg		80	74 - 140	1	30
Aldrin			0.133	0.122		mg/Kg		92	74 - 140	1	30
alpha-BHC			0.133	0.113		mg/Kg		85	72 - 142	0	30
alpha-BHC			0.133	0.121		mg/Kg		91	72 - 142	0	30
beta-BHC			0.133	0.126		mg/Kg		95	65 - 137	1	30
beta-BHC			0.133	0.131		mg/Kg		98	65 - 137	0	30
delta-BHC			0.133	0.114		mg/Kg		86	70 - 143	1	30
delta-BHC			0.133	0.123		mg/Kg		92	70 - 143	0	30
Dieldrin			0.133	0.106		mg/Kg		79	70 - 135	0	30
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135	1	30
Endosulfan I			0.133	0.111		mg/Kg		83	68 - 135	1	30
Endosulfan I			0.133	0.139		mg/Kg		104	68 - 135	1	30
Endosulfan II			0.133	0.122		mg/Kg		92	64 - 130	0	30
Endosulfan II			0.133	0.138		mg/Kg		103	64 - 130	0	30
Endosulfan sulfate			0.133	0.106		mg/Kg		79	66 - 143	0	30
Endosulfan sulfate			0.133	0.126		mg/Kg		94	66 - 143	2	30
Endrin			0.133	0.101		mg/Kg		76	68 - 136	1	30
Endrin			0.133	0.119		mg/Kg		89	68 - 136	0	30
Endrin aldehyde			0.133	0.107		mg/Kg		80	68 - 132	1	30
Endrin aldehyde			0.133	0.130		mg/Kg		97	68 - 132	2	30
Endrin ketone			0.133	0.114		mg/Kg		86	60 - 150	2	30
Endrin ketone			0.133	0.126		mg/Kg		95	60 - 150	3	30
gamma-BHC (Lindane)			0.133	0.114		mg/Kg		85	70 - 134	1	30
gamma-BHC (Lindane)			0.133	0.122		mg/Kg		92	70 - 134	0	30
Heptachlor			0.133	0.105		mg/Kg		79	69 - 134	0	30
Heptachlor			0.133	0.117		mg/Kg		88	69 - 134	1	30
Heptachlor epoxide			0.133	0.110		mg/Kg		82	70 - 135	1	30
Heptachlor epoxide			0.133	0.127		mg/Kg		95	70 - 135	1	30
Methoxychlor			0.133	0.0861		mg/Kg		65	57 - 135	3	30
Methoxychlor			0.133	0.0844		mg/Kg		63	57 - 135	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*76*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235916-B-1-E MS
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0067	U	0.134	0.150		mg/Kg	☼	112	70 - 140
4,4'-DDD	0.0067	U	0.134	0.187		mg/Kg	☼	140	70 - 140
4,4'-DDE	0.0067	U	0.134	0.161		mg/Kg	☼	120	71 - 137
4,4'-DDE	0.0067	U	0.134	0.182		mg/Kg	☼	136	71 - 137
4,4'-DDT	0.0067	U	0.134	0.133		mg/Kg	☼	99	63 - 131
4,4'-DDT	0.0067	U	0.134	0.165		mg/Kg	☼	123	63 - 131
Aldrin	0.0067	U	0.134	0.153		mg/Kg	☼	114	74 - 140
Aldrin	0.0067	U	0.134	0.179		mg/Kg	☼	134	74 - 140
alpha-BHC	0.0020	U	0.134	0.155		mg/Kg	☼	116	72 - 142
alpha-BHC	0.0020	U	0.134	0.171		mg/Kg	☼	128	72 - 142
beta-BHC	0.0020	U	0.134	0.164		mg/Kg	☼	122	65 - 137
beta-BHC	0.0020	U	0.134	0.181		mg/Kg	☼	135	65 - 137
delta-BHC	0.0020	U	0.134	0.157		mg/Kg	☼	118	70 - 143
delta-BHC	0.0020	U	0.134	0.173		mg/Kg	☼	130	70 - 143
Dieldrin	0.0020	U	0.134	0.149		mg/Kg	☼	111	70 - 135
Dieldrin	0.0020	U	0.134	0.181	*	mg/Kg	☼	136	70 - 135
Endosulfan I	0.0067	U	0.134	0.157		mg/Kg	☼	118	68 - 135
Endosulfan I	0.0067	U	0.134	0.178		mg/Kg	☼	134	68 - 135
Endosulfan II	0.0067	U	0.134	0.162		mg/Kg	☼	121	64 - 130
Endosulfan II	0.0067	U	0.134	0.180	*	mg/Kg	☼	134	64 - 130
Endosulfan sulfate	0.0067	U	0.134	0.124		mg/Kg	☼	92	66 - 143
Endosulfan sulfate	0.0067	U	0.134	0.145		mg/Kg	☼	109	66 - 143
Endrin	0.0067	U	0.134	0.143		mg/Kg	☼	107	68 - 136
Endrin	0.0067	U	0.134	0.170		mg/Kg	☼	127	68 - 136
Endrin aldehyde	0.0067	U	0.134	0.0921		mg/Kg	☼	69	68 - 132
Endrin aldehyde	0.0067	U	0.134	0.110		mg/Kg	☼	82	68 - 132
Endrin ketone	0.0067	U	0.134	0.133		mg/Kg	☼	100	60 - 150
Endrin ketone	0.0067	U	0.134	0.149		mg/Kg	☼	111	60 - 150
gamma-BHC (Lindane)	0.0020	U	0.134	0.154		mg/Kg	☼	115	70 - 134
gamma-BHC (Lindane)	0.0020	U	0.134	0.172		mg/Kg	☼	129	70 - 134
Heptachlor	0.0067	U	0.134	0.146		mg/Kg	☼	109	69 - 134
Heptachlor	0.0067	U	0.134	0.167		mg/Kg	☼	125	69 - 134
Heptachlor epoxide	0.0067	U	0.134	0.156		mg/Kg	☼	117	70 - 135
Heptachlor epoxide	0.0067	U	0.134	0.178		mg/Kg	☼	133	70 - 135
Methoxychlor	0.0067	U	0.134	0.117		mg/Kg	☼	87	57 - 135
Methoxychlor	0.0067	U	0.134	0.135		mg/Kg	☼	101	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*10 - 150*
DCB Decachlorobiphenyl	*101*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 133*
Tetrachloro-m-xylene	*80*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-235916-B-1-F MSD
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0067	U	0.134	0.144		mg/Kg	☼	108	70 - 140	4	30
4,4'-DDD	0.0067	U	0.134	0.169		mg/Kg	☼	127	70 - 140	10	30
4,4'-DDE	0.0067	U	0.134	0.153		mg/Kg	☼	115	71 - 137	5	30
4,4'-DDE	0.0067	U	0.134	0.170		mg/Kg	☼	127	71 - 137	6	30
4,4'-DDT	0.0067	U	0.134	0.125		mg/Kg	☼	94	63 - 131	6	30
4,4'-DDT	0.0067	U	0.134	0.147		mg/Kg	☼	110	63 - 131	11	30
Aldrin	0.0067	U	0.134	0.147		mg/Kg	☼	110	74 - 140	4	30
Aldrin	0.0067	U	0.134	0.173		mg/Kg	☼	129	74 - 140	4	30
alpha-BHC	0.0020	U	0.134	0.147		mg/Kg	☼	110	72 - 142	5	30
alpha-BHC	0.0020	U	0.134	0.162		mg/Kg	☼	121	72 - 142	6	30
beta-BHC	0.0020	U	0.134	0.157		mg/Kg	☼	118	65 - 137	4	30
beta-BHC	0.0020	U	0.134	0.166		mg/Kg	☼	124	65 - 137	9	30
delta-BHC	0.0020	U	0.134	0.148		mg/Kg	☼	111	70 - 143	6	30
delta-BHC	0.0020	U	0.134	0.161		mg/Kg	☼	121	70 - 143	7	30
Dieldrin	0.0020	U	0.134	0.141		mg/Kg	☼	105	70 - 135	6	30
Dieldrin	0.0020	U	0.134	0.170		mg/Kg	☼	127	70 - 135	6	30
Endosulfan I	0.0067	U	0.134	0.150		mg/Kg	☼	112	68 - 135	5	30
Endosulfan I	0.0067	U	0.134	0.169		mg/Kg	☼	126	68 - 135	6	30
Endosulfan II	0.0067	U	0.134	0.154		mg/Kg	☼	116	64 - 130	5	30
Endosulfan II	0.0067	U	0.134	0.164		mg/Kg	☼	123	64 - 130	9	30
Endosulfan sulfate	0.0067	U	0.134	0.117		mg/Kg	☼	88	66 - 143	6	30
Endosulfan sulfate	0.0067	U	0.134	0.130		mg/Kg	☼	97	66 - 143	11	30
Endrin	0.0067	U	0.134	0.136		mg/Kg	☼	101	68 - 136	5	30
Endrin	0.0067	U	0.134	0.156		mg/Kg	☼	117	68 - 136	8	30
Endrin aldehyde	0.0067	U	0.134	0.0931		mg/Kg	☼	70	68 - 132	1	30
Endrin aldehyde	0.0067	U	0.134	0.101		mg/Kg	☼	76	68 - 132	8	30
Endrin ketone	0.0067	U	0.134	0.128		mg/Kg	☼	96	60 - 150	4	30
Endrin ketone	0.0067	U	0.134	0.135		mg/Kg	☼	101	60 - 150	10	30
gamma-BHC (Lindane)	0.0020	U	0.134	0.146		mg/Kg	☼	109	70 - 134	5	30
gamma-BHC (Lindane)	0.0020	U	0.134	0.161		mg/Kg	☼	121	70 - 134	7	30
Heptachlor	0.0067	U	0.134	0.143		mg/Kg	☼	107	69 - 134	2	30
Heptachlor	0.0067	U	0.134	0.160		mg/Kg	☼	119	69 - 134	5	30
Heptachlor epoxide	0.0067	U	0.134	0.148		mg/Kg	☼	111	70 - 135	5	30
Heptachlor epoxide	0.0067	U	0.134	0.167		mg/Kg	☼	125	70 - 135	6	30
Methoxychlor	0.0067	U	0.134	0.115		mg/Kg	☼	86	57 - 135	1	30
Methoxychlor	0.0067	U	0.134	0.116		mg/Kg	☼	87	57 - 135	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*82*		*10 - 133*
Tetrachloro-m-xylene	*76*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-782716/1-A
Matrix: Solid
Analysis Batch: 782865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 05:38	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 05:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 05:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 05:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 05:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 05:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 05:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 05:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 05:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 05:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:38*	*1*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:38*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:38*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:38*	*1*

Lab Sample ID: LCS 460-782716/2-A
Matrix: Solid
Analysis Batch: 782865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000611		mg/L		76	64 - 130
cis-Chlordane	0.000800	0.000720		mg/L		90	64 - 130
trans-Chlordane	0.000800	0.000608		mg/L		76	65 - 132
trans-Chlordane	0.000800	0.000740		mg/L		93	65 - 132
Endrin	0.000800	0.000583		mg/L		73	67 - 132
Endrin	0.000800	0.000696		mg/L		87	67 - 132
gamma-BHC (Lindane)	0.000800	0.000649		mg/L		81	65 - 134
gamma-BHC (Lindane)	0.000800	0.000733		mg/L		92	65 - 134
Heptachlor	0.000800	0.000598		mg/L		75	63 - 128
Heptachlor	0.000800	0.000695		mg/L		87	63 - 128
Heptachlor epoxide	0.000800	0.000616		mg/L		77	66 - 128
Heptachlor epoxide	0.000800	0.000739		mg/L		92	66 - 128
Methoxychlor	0.000800	0.000495	J	mg/L		62	42 - 151
Methoxychlor	0.000800	0.000516		mg/L		64	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*77*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-782716/3-A
Matrix: Solid
Analysis Batch: 782865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000634		mg/L		79	64 - 130	4	30
cis-Chlordane			0.000800	0.000753		mg/L		94	64 - 130	5	30
trans-Chlordane			0.000800	0.000632		mg/L		79	65 - 132	4	30
trans-Chlordane			0.000800	0.000765		mg/L		96	65 - 132	3	30
Endrin			0.000800	0.000619		mg/L		77	67 - 132	6	30
Endrin			0.000800	0.000714		mg/L		89	67 - 132	3	30
gamma-BHC (Lindane)			0.000800	0.000685		mg/L		86	65 - 134	5	30
gamma-BHC (Lindane)			0.000800	0.000756		mg/L		94	65 - 134	3	30
Heptachlor			0.000800	0.000624		mg/L		78	63 - 128	4	30
Heptachlor			0.000800	0.000714		mg/L		89	63 - 128	3	30
Heptachlor epoxide			0.000800	0.000645		mg/L		81	66 - 128	5	30
Heptachlor epoxide			0.000800	0.000765		mg/L		96	66 - 128	4	30
Methoxychlor			0.000800	0.000494	J	mg/L		62	42 - 151	0	30
Methoxychlor			0.000800	0.000537		mg/L		67	42 - 151	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*77*		*10 - 150*
Tetrachloro-m-xylene	*80*		*10 - 150*

Lab Sample ID: MB 460-782953/1-A
Matrix: Solid
Analysis Batch: 783114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:23	06/09/21 05:08	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:23	06/09/21 05:08	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:23	06/09/21 05:08	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:23	06/09/21 05:08	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:23	06/09/21 05:08	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:23	06/09/21 05:08	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:23	06/09/21 05:08	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:23	06/09/21 05:08	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:23	06/09/21 05:08	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:23	06/09/21 05:08	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:23	06/09/21 05:08	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:23	06/09/21 05:08	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:23	06/09/21 05:08	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:23	06/09/21 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*06/08/21 10:23*	*06/09/21 05:08*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*06/08/21 10:23*	*06/09/21 05:08*	*1*
Tetrachloro-m-xylene	*87*		*10 - 150*	*06/08/21 10:23*	*06/09/21 05:08*	*1*
Tetrachloro-m-xylene	*91*		*10 - 150*	*06/08/21 10:23*	*06/09/21 05:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-782953/2-A
Matrix: Solid
Analysis Batch: 783114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782953

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000775		mg/L		97	64 - 130		
cis-Chlordane			0.000800	0.000775		mg/L		97	64 - 130		
trans-Chlordane			0.000800	0.000781		mg/L		98	65 - 132		
trans-Chlordane			0.000800	0.000782		mg/L		98	65 - 132		
Endrin			0.000800	0.000825		mg/L		103	67 - 132		
Endrin			0.000800	0.000808		mg/L		101	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000757		mg/L		95	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000745		mg/L		93	65 - 134		
Heptachlor			0.000800	0.000755		mg/L		94	63 - 128		
Heptachlor			0.000800	0.000757		mg/L		95	63 - 128		
Heptachlor epoxide			0.000800	0.000781		mg/L		98	66 - 128		
Heptachlor epoxide			0.000800	0.000779		mg/L		97	66 - 128		
Methoxychlor			0.000800	0.000783		mg/L		98	42 - 151		
Methoxychlor			0.000800	0.000785		mg/L		98	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 150*
Tetrachloro-m-xylene	*92*		*10 - 150*

Lab Sample ID: LCSD 460-782953/3-A
Matrix: Solid
Analysis Batch: 783114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782953

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000757		mg/L		95	64 - 130	2	30
cis-Chlordane			0.000800	0.000755		mg/L		94	64 - 130	3	30
trans-Chlordane			0.000800	0.000763		mg/L		95	65 - 132	2	30
trans-Chlordane			0.000800	0.000765		mg/L		96	65 - 132	2	30
Endrin			0.000800	0.000809		mg/L		101	67 - 132	2	30
Endrin			0.000800	0.000820		mg/L		103	67 - 132	1	30
gamma-BHC (Lindane)			0.000800	0.000729		mg/L		91	65 - 134	4	30
gamma-BHC (Lindane)			0.000800	0.000744		mg/L		93	65 - 134	0	30
Heptachlor			0.000800	0.000727		mg/L		91	63 - 128	4	30
Heptachlor			0.000800	0.000749		mg/L		94	63 - 128	1	30
Heptachlor epoxide			0.000800	0.000763		mg/L		95	66 - 128	2	30
Heptachlor epoxide			0.000800	0.000772		mg/L		96	66 - 128	1	30
Methoxychlor			0.000800	0.000756		mg/L		95	42 - 151	3	30
Methoxychlor			0.000800	0.000792		mg/L		99	42 - 151	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*82*		*10 - 150*
Tetrachloro-m-xylene	*93*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-782374/1-B
Matrix: Solid
Analysis Batch: 782647

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782464

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/05/21 13:11	06/07/21 08:42	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:11	06/07/21 08:42	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/05/21 13:11	06/07/21 08:42	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/05/21 13:11	06/07/21 08:42	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/05/21 13:11	06/07/21 08:42	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/05/21 13:11	06/07/21 08:42	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/05/21 13:11	06/07/21 08:42	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*10 - 150*	*06/05/21 13:11*	*06/07/21 08:42*	*1*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*06/05/21 13:11*	*06/07/21 08:42*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*06/05/21 13:11*	*06/07/21 08:42*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/05/21 13:11*	*06/07/21 08:42*	*1*

Lab Sample ID: LB 460-782633/1-C
Matrix: Solid
Analysis Batch: 782865

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782716

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/07/21 09:58	06/08/21 05:54	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:54	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/07/21 09:58	06/08/21 05:54	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/07/21 09:58	06/08/21 05:54	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/07/21 09:58	06/08/21 05:54	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/07/21 09:58	06/08/21 05:54	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/07/21 09:58	06/08/21 05:54	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:54*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:54*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:54*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*06/07/21 09:58*	*06/08/21 05:54*	*1*

Lab Sample ID: LB 460-782828/1-C
Matrix: Solid
Analysis Batch: 783114

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782953

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/08/21 10:24	06/09/21 11:52	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 11:52	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/08/21 10:24	06/09/21 11:52	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/08/21 10:24	06/09/21 11:52	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/08/21 10:24	06/09/21 11:52	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/08/21 10:24	06/09/21 11:52	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/08/21 10:24	06/09/21 11:52	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-782828/1-C
Matrix: Solid
Analysis Batch: 783114

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782953

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		10 - 150	06/08/21 10:24	06/09/21 11:52	1
DCB Decachlorobiphenyl	87		10 - 150	06/08/21 10:24	06/09/21 11:52	1
Tetrachloro-m-xylene	52		10 - 150	06/08/21 10:24	06/09/21 11:52	1
Tetrachloro-m-xylene	53		10 - 150	06/08/21 10:24	06/09/21 11:52	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-781872/1-A
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/02/21 17:43	06/03/21 09:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	148		37 - 150	06/02/21 17:43	06/03/21 09:27	1
DCB Decachlorobiphenyl	143		37 - 150	06/02/21 17:43	06/03/21 09:27	1
Tetrachloro-m-xylene	123		54 - 150	06/02/21 17:43	06/03/21 09:27	1
Tetrachloro-m-xylene	128		54 - 150	06/02/21 17:43	06/03/21 09:27	1

Lab Sample ID: LCS 460-781872/2-A
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.351		mg/Kg		105	65 - 133
Aroclor 1016	0.333	0.372		mg/Kg		111	65 - 133
Aroclor 1260	0.333	0.390		mg/Kg		117	71 - 150
Aroclor 1260	0.333	0.387		mg/Kg		116	71 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-781872/2-A
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781872

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*37 - 150*
DCB Decachlorobiphenyl	*104*		*37 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*
Tetrachloro-m-xylene	*108*		*54 - 150*

Lab Sample ID: LCSD 460-781872/3-A
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 781872

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.384		mg/Kg		115	65 - 133	9	30
Aroclor 1016			0.333	0.412		mg/Kg		124	65 - 133	10	30
Aroclor 1260			0.333	0.418		mg/Kg		126	71 - 150	8	30
Aroclor 1260			0.333	0.427		mg/Kg		128	71 - 150	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*37 - 150*
DCB Decachlorobiphenyl	*115*		*37 - 150*
Tetrachloro-m-xylene	*108*		*54 - 150*
Tetrachloro-m-xylene	*120*		*54 - 150*

Lab Sample ID: 460-235634-E-5-A MS
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 781872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.12	U	0.595	0.584		mg/Kg	☼	98	65 - 133
Aroclor 1016	0.12	U	0.595	0.630		mg/Kg	☼	106	65 - 133
Aroclor 1260	0.12	U	0.595	0.631		mg/Kg	☼	106	71 - 150
Aroclor 1260	0.12	U	0.595	0.643		mg/Kg	☼	108	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*37 - 150*
DCB Decachlorobiphenyl	*92*		*37 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*
Tetrachloro-m-xylene	*100*		*54 - 150*

Lab Sample ID: 460-235634-E-5-B MSD
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.12	U	0.595	0.615		mg/Kg	☼	103	65 - 133	5	30
Aroclor 1016	0.12	U	0.595	0.635		mg/Kg	☼	107	65 - 133	1	30
Aroclor 1260	0.12	U	0.595	0.657		mg/Kg	☼	110	71 - 150	2	30
Aroclor 1260	0.12	U	0.595	0.654		mg/Kg	☼	110	71 - 150	4	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-235634-E-5-B MSD
Matrix: Solid
Analysis Batch: 781986

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 781872

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	96		37 - 150
DCB Decachlorobiphenyl	94		37 - 150
Tetrachloro-m-xylene	94		54 - 150
Tetrachloro-m-xylene	102		54 - 150

Lab Sample ID: MB 460-782091/1-A
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/03/21 17:51	06/04/21 09:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		37 - 150	06/03/21 17:51	06/04/21 09:14	1
DCB Decachlorobiphenyl	93		37 - 150	06/03/21 17:51	06/04/21 09:14	1
Tetrachloro-m-xylene	90		54 - 150	06/03/21 17:51	06/04/21 09:14	1
Tetrachloro-m-xylene	93		54 - 150	06/03/21 17:51	06/04/21 09:14	1

Lab Sample ID: LCS 460-782091/2-A
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.318		mg/Kg		95	65 - 133
Aroclor 1016	0.333	0.297		mg/Kg		89	65 - 133
Aroclor 1260	0.333	0.328		mg/Kg		98	71 - 150
Aroclor 1260	0.333	0.304		mg/Kg		91	71 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-782091/2-A
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782091

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	81		37 - 150
DCB Decachlorobiphenyl	80		37 - 150
Tetrachloro-m-xylene	86		54 - 150
Tetrachloro-m-xylene	84		54 - 150

Lab Sample ID: LCSD 460-782091/3-A
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.322		mg/Kg		97	65 - 133	1	30
Aroclor 1016			0.333	0.313		mg/Kg		94	65 - 133	5	30
Aroclor 1260			0.333	0.334		mg/Kg		100	71 - 150	2	30
Aroclor 1260			0.333	0.305		mg/Kg		91	71 - 150	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	83		37 - 150
DCB Decachlorobiphenyl	80		37 - 150
Tetrachloro-m-xylene	88		54 - 150
Tetrachloro-m-xylene	87		54 - 150

Lab Sample ID: 460-235648-D-1-B MS
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.087	U	0.433	0.323		mg/Kg	☼	75	65 - 133
Aroclor 1016	0.087	U	0.433	0.311		mg/Kg	☼	72	65 - 133
Aroclor 1260	0.087	U	0.433	0.351		mg/Kg	☼	81	71 - 150
Aroclor 1260	0.087	U	0.433	0.315		mg/Kg	☼	73	71 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	81		37 - 150
DCB Decachlorobiphenyl	123		37 - 150
Tetrachloro-m-xylene	70		54 - 150
Tetrachloro-m-xylene	70		54 - 150

Lab Sample ID: 460-235648-D-1-C MSD
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.087	U	0.433	0.352		mg/Kg	☼	81	65 - 133	9	30
Aroclor 1016	0.087	U	0.433	0.345		mg/Kg	☼	80	65 - 133	10	30
Aroclor 1260	0.087	U	0.433	0.381		mg/Kg	☼	88	71 - 150	8	30
Aroclor 1260	0.087	U	0.433	0.346		mg/Kg	☼	80	71 - 150	9	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-235648-D-1-C MSD
Matrix: Solid
Analysis Batch: 782237

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782091

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	117		37 - 150
DCB Decachlorobiphenyl	139		37 - 150
Tetrachloro-m-xylene	77		54 - 150
Tetrachloro-m-xylene	77		54 - 150

Lab Sample ID: MB 460-782504/1-A
Matrix: Solid
Analysis Batch: 782706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/05/21 16:22	06/07/21 09:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	121		37 - 150	06/05/21 16:22	06/07/21 09:28	1
DCB Decachlorobiphenyl	128		37 - 150	06/05/21 16:22	06/07/21 09:28	1
Tetrachloro-m-xylene	98		54 - 150	06/05/21 16:22	06/07/21 09:28	1
Tetrachloro-m-xylene	99		54 - 150	06/05/21 16:22	06/07/21 09:28	1

Lab Sample ID: LCS 460-782504/2-A
Matrix: Solid
Analysis Batch: 782706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.308		mg/Kg		92	65 - 133
Aroclor 1016	0.333	0.329		mg/Kg		99	65 - 133
Aroclor 1260	0.333	0.338		mg/Kg		101	71 - 150
Aroclor 1260	0.333	0.353		mg/Kg		106	71 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-782504/2-A
Matrix: Solid
Analysis Batch: 782706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782504

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*37 - 150*
DCB Decachlorobiphenyl	*94*		*37 - 150*
Tetrachloro-m-xylene	*73*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: LCSD 460-782504/3-A
Matrix: Solid
Analysis Batch: 782706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.305		mg/Kg		92	65 - 133	1	30
Aroclor 1016			0.333	0.328		mg/Kg		98	65 - 133	0	30
Aroclor 1260			0.333	0.334		mg/Kg		100	71 - 150	1	30
Aroclor 1260			0.333	0.340		mg/Kg		102	71 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*37 - 150*
DCB Decachlorobiphenyl	*92*		*37 - 150*
Tetrachloro-m-xylene	*74*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: MB 460-782591/1-A
Matrix: Solid
Analysis Batch: 783164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/06/21 15:07	06/09/21 09:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-782591/1-A
Matrix: Solid
Analysis Batch: 783164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782591

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	145		37 - 150	06/06/21 15:07	06/09/21 09:24	1
DCB Decachlorobiphenyl	141		37 - 150	06/06/21 15:07	06/09/21 09:24	1
Tetrachloro-m-xylene	107		54 - 150	06/06/21 15:07	06/09/21 09:24	1
Tetrachloro-m-xylene	105		54 - 150	06/06/21 15:07	06/09/21 09:24	1

Lab Sample ID: LCS 460-782591/2-A
Matrix: Solid
Analysis Batch: 783164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782591

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.392		mg/Kg		118	65 - 133		
Aroclor 1016			0.333	0.429		mg/Kg		129	65 - 133		
Aroclor 1260			0.333	0.432		mg/Kg		130	71 - 150		
Aroclor 1260			0.333	0.447		mg/Kg		134	71 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	114		37 - 150
DCB Decachlorobiphenyl	121		37 - 150
Tetrachloro-m-xylene	107		54 - 150
Tetrachloro-m-xylene	121		54 - 150

Lab Sample ID: LCSD 460-782591/3-A
Matrix: Solid
Analysis Batch: 783164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782591

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.407		mg/Kg		122	65 - 133	4	30
Aroclor 1016			0.333	0.438		mg/Kg		131	65 - 133	2	30
Aroclor 1260			0.333	0.449		mg/Kg		135	71 - 150	4	30
Aroclor 1260			0.333	0.469		mg/Kg		141	71 - 150	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	118		37 - 150
DCB Decachlorobiphenyl	125		37 - 150
Tetrachloro-m-xylene	110		54 - 150
Tetrachloro-m-xylene	124		54 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-782393/1-A
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/04/21 23:52	06/08/21 06:48	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/04/21 23:52	06/08/21 06:48	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/04/21 23:52	06/08/21 06:48	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/04/21 23:52	06/08/21 06:48	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-782393/1-A
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/04/21 23:52	06/08/21 06:48	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/04/21 23:52	06/08/21 06:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*65 - 150*	*06/04/21 23:52*	*06/08/21 06:48*	*1*
2,4-Dichlorophenylacetic acid	*84*		*65 - 150*	*06/04/21 23:52*	*06/08/21 06:48*	*1*

Lab Sample ID: LCS 460-782393/2-A
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0609		mg/Kg		73	59 - 150
2,4,5-T	0.0833	0.0700		mg/Kg		84	59 - 150
2,4-D	0.333	0.257		mg/Kg		77	50 - 130
2,4-D	0.333	0.280		mg/Kg		84	50 - 130
Silvex (2,4,5-TP)	0.0833	0.0711		mg/Kg		85	58 - 150
Silvex (2,4,5-TP)	0.0833	0.0702		mg/Kg		84	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*99*		*65 - 150*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*

Lab Sample ID: LCSD 460-782393/3-A
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782393

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.0833	0.0628		mg/Kg		75	59 - 150	3	30
2,4,5-T	0.0833	0.0730		mg/Kg		88	59 - 150	4	30
2,4-D	0.333	0.262		mg/Kg		79	50 - 130	2	30
2,4-D	0.333	0.286		mg/Kg		86	50 - 130	2	30
Silvex (2,4,5-TP)	0.0833	0.0720		mg/Kg		86	58 - 150	1	30
Silvex (2,4,5-TP)	0.0833	0.0721		mg/Kg		87	58 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*
2,4-Dichlorophenylacetic acid	*101*		*65 - 150*

Lab Sample ID: 460-235549-A-1-B MS
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.033	U	0.0833	0.0657		mg/Kg	☼	79	59 - 150
2,4,5-T	0.033	U	0.0833	0.0670		mg/Kg	☼	80	59 - 150
2,4-D	0.033	U	0.333	0.303		mg/Kg	☼	91	50 - 130
2,4-D	0.033	U	0.333	0.317		mg/Kg	☼	95	50 - 130

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-235549-A-1-B MS
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.033	U	0.0833	0.0715		mg/Kg	☼	86	58 - 150
Silvex (2,4,5-TP)	0.033	U	0.0833	0.0749		mg/Kg	☼	90	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*65*		*65 - 150*
2,4-Dichlorophenylacetic acid	*136*		*65 - 150*

Lab Sample ID: 460-235549-A-1-C MSD
Matrix: Solid
Analysis Batch: 782901

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782393

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.033	U	0.0833	0.0641		mg/Kg	☼	77	59 - 150	2	30
2,4,5-T	0.033	U	0.0833	0.0647		mg/Kg	☼	78	59 - 150	4	30
2,4-D	0.033	U	0.333	0.289		mg/Kg	☼	87	50 - 130	5	30
2,4-D	0.033	U	0.333	0.307		mg/Kg	☼	92	50 - 130	3	30
Silvex (2,4,5-TP)	0.033	U	0.0833	0.0701		mg/Kg	☼	84	58 - 150	2	30
Silvex (2,4,5-TP)	0.033	U	0.0833	0.0737		mg/Kg	☼	88	58 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*67*		*65 - 150*
2,4-Dichlorophenylacetic acid	*128*		*65 - 150*

Lab Sample ID: MB 460-782394/1-A
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/04/21 23:53	06/07/21 15:40	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/04/21 23:53	06/07/21 15:40	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/04/21 23:53	06/07/21 15:40	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/04/21 23:53	06/07/21 15:40	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/04/21 23:53	06/07/21 15:40	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/04/21 23:53	06/07/21 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*109*		*65 - 150*	*06/04/21 23:53*	*06/07/21 15:40*	*1*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*	*06/04/21 23:53*	*06/07/21 15:40*	*1*

Lab Sample ID: LCS 460-782394/2-A
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0925		mg/Kg		111	59 - 150
2,4,5-T	0.0833	0.108		mg/Kg		130	59 - 150
2,4-D	0.333	0.397		mg/Kg		119	50 - 130
2,4-D	0.333	0.432		mg/Kg		130	50 - 130

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-782394/2-A
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782394

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.0833	0.0930		mg/Kg		112	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.112		mg/Kg		134	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*110*		*65 - 150*
2,4-Dichlorophenylacetic acid	*120*		*65 - 150*

Lab Sample ID: LCSD 460-782394/3-A
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782394

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0915		mg/Kg		110	59 - 150	1	30
2,4,5-T			0.0833	0.108		mg/Kg		130	59 - 150	0	30
2,4-D			0.333	0.393		mg/Kg		118	50 - 130	1	30
2,4-D			0.333	0.433		mg/Kg		130	50 - 130	0	30
Silvex (2,4,5-TP)			0.0833	0.0925		mg/Kg		111	58 - 150	0	30
Silvex (2,4,5-TP)			0.0833	0.111		mg/Kg		133	58 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*
2,4-Dichlorophenylacetic acid	*123*		*65 - 150*

Lab Sample ID: 460-235744-A-1-D MS
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	0.039	U	0.0969	0.109		mg/Kg	☼	112	59 - 150		
2,4,5-T	0.039	U	0.0969	0.128		mg/Kg	☼	132	59 - 150		
2,4-D	0.039	U	0.387	0.431		mg/Kg	☼	111	50 - 130		
2,4-D	0.039	U	0.387	0.495		mg/Kg	☼	128	50 - 130		
Silvex (2,4,5-TP)	0.039	U	0.0969	0.105		mg/Kg	☼	109	58 - 150		
Silvex (2,4,5-TP)	0.039	U	0.0969	0.125		mg/Kg	☼	129	58 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*
2,4-Dichlorophenylacetic acid	*121*		*65 - 150*

Lab Sample ID: 460-235744-A-1-E MSD
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.039	U	0.0969	0.115		mg/Kg	☼	119	59 - 150	6	30
2,4,5-T	0.039	U	0.0969	0.138		mg/Kg	☼	142	59 - 150	7	30
2,4-D	0.039	U	0.387	0.451		mg/Kg	☼	117	50 - 130	5	30
2,4-D	0.039	U	0.387	0.508	*	mg/Kg	☼	131	50 - 130	3	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-235744-A-1-E MSD
Matrix: Solid
Analysis Batch: 782733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	0.039	U	0.0969	0.110		mg/Kg	☼	113	58 - 150	4	30
Silvex (2,4,5-TP)	0.039	U	0.0969	0.134		mg/Kg	☼	139	58 - 150	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*104*		*65 - 150*
2,4-Dichlorophenylacetic acid	*127*		*65 - 150*

Lab Sample ID: MB 460-782588/1-A
Matrix: Solid
Analysis Batch: 782717

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782588

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:46	06/07/21 10:23	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:46	06/07/21 10:23	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:46	06/07/21 10:23	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:46	06/07/21 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*28 - 150*	*06/06/21 14:46*	*06/07/21 10:23*	*1*
2,4-Dichlorophenylacetic acid	*69*		*28 - 150*	*06/06/21 14:46*	*06/07/21 10:23*	*1*

Lab Sample ID: LCS 460-782588/2-A
Matrix: Solid
Analysis Batch: 782717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782588

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0740	J	mg/L		111	36 - 139		
2,4-D			0.0667	0.0747	J	mg/L		112	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0157	J	mg/L		94	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0184	J	mg/L		110	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*75*		*28 - 150*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*

Lab Sample ID: LCSD 460-782588/3-A
Matrix: Solid
Analysis Batch: 782717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782588

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0715	J	mg/L		107	36 - 139	3	30
2,4-D			0.0667	0.0750	J	mg/L		113	36 - 139	0	30
Silvex (2,4,5-TP)			0.0167	0.0156	J	mg/L		94	42 - 150	0	30
Silvex (2,4,5-TP)			0.0167	0.0169	J	mg/L		101	42 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*74*		*28 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-782588/3-A
Matrix: Solid
Analysis Batch: 782717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782588

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*78*		*28 - 150*

Lab Sample ID: MB 460-782853/1-A
Matrix: Solid
Analysis Batch: 782900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782853

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0030	U	0.0030	0.00018	mg/L		06/07/21 23:52	06/08/21 07:04	1
2,4-D	0.0030	U	0.0030	0.00018	mg/L		06/07/21 23:52	06/08/21 07:04	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		06/07/21 23:52	06/08/21 07:04	1
Silvex (2,4,5-TP)	0.0030	U	0.0030	0.00014	mg/L		06/07/21 23:52	06/08/21 07:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*116*		*28 - 150*	*06/07/21 23:52*	*06/08/21 07:04*	*1*
2,4-Dichlorophenylacetic acid	*127*		*28 - 150*	*06/07/21 23:52*	*06/08/21 07:04*	*1*

Lab Sample ID: LCS 460-782853/2-A
Matrix: Solid
Analysis Batch: 782900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782853

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.00400	0.00553		mg/L		138	36 - 139		
2,4-D			0.00400	0.00640	*	mg/L		160	36 - 139		
Silvex (2,4,5-TP)			0.00100	0.00131	J	mg/L		131	42 - 150		
Silvex (2,4,5-TP)			0.00100	0.00167	J *	mg/L		167	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*
2,4-Dichlorophenylacetic acid	*120*		*28 - 150*

Lab Sample ID: LCSD 460-782853/3-A
Matrix: Solid
Analysis Batch: 782900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782853

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.00400	0.00546		mg/L		136	36 - 139	1	30
2,4-D			0.00400	0.00620	*	mg/L		155	36 - 139	3	30
Silvex (2,4,5-TP)			0.00100	0.00130	J	mg/L		130	42 - 150	1	30
Silvex (2,4,5-TP)			0.00100	0.00168	J *	mg/L		168	42 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*109*		*28 - 150*
2,4-Dichlorophenylacetic acid	*120*		*28 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-782854/1-A
Matrix: Solid
Analysis Batch: 783144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/07/21 23:57	06/09/21 07:07	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/07/21 23:57	06/09/21 07:07	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/07/21 23:57	06/09/21 07:07	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/07/21 23:57	06/09/21 07:07	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/07/21 23:57	06/09/21 07:07	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/07/21 23:57	06/09/21 07:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*06/07/21 23:57*	*06/09/21 07:07*	*1*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*06/07/21 23:57*	*06/09/21 07:07*	*1*

Lab Sample ID: LCS 460-782854/2-A
Matrix: Solid
Analysis Batch: 783144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0626		mg/Kg		75	59 - 150
2,4,5-T	0.0833	0.0639		mg/Kg		77	59 - 150
2,4-D	0.333	0.265		mg/Kg		80	50 - 130
2,4-D	0.333	0.282		mg/Kg		85	50 - 130
Silvex (2,4,5-TP)	0.0833	0.0688		mg/Kg		83	58 - 150
Silvex (2,4,5-TP)	0.0833	0.0685		mg/Kg		82	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*103*		*65 - 150*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*

Lab Sample ID: LCSD 460-782854/3-A
Matrix: Solid
Analysis Batch: 783144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.0833	0.0612		mg/Kg		73	59 - 150	2	30
2,4,5-T	0.0833	0.0671		mg/Kg		81	59 - 150	5	30
2,4-D	0.333	0.264		mg/Kg		79	50 - 130	0	30
2,4-D	0.333	0.291		mg/Kg		87	50 - 130	3	30
Silvex (2,4,5-TP)	0.0833	0.0698		mg/Kg		84	58 - 150	2	30
Silvex (2,4,5-TP)	0.0833	0.0727		mg/Kg		87	58 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*104*		*65 - 150*
2,4-Dichlorophenylacetic acid	*102*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-235894-A-1-D MSD
Matrix: Solid
Analysis Batch: 783144

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782854

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.040	U	0.0991	0.0670		mg/Kg	☼	68	59 - 150	0	30
2,4,5-T	0.040	U	0.0991	0.0709		mg/Kg	☼	72	59 - 150	6	30
2,4-D	0.040	U	0.397	0.227		mg/Kg	☼	57	50 - 130	14	30
2,4-D	0.040	U	0.397	0.270		mg/Kg	☼	68	50 - 130	13	30
Silvex (2,4,5-TP)	0.040	U	0.0991	0.0676		mg/Kg	☼	68	58 - 150	6	30
Silvex (2,4,5-TP)	0.040	U	0.0991	0.0704		mg/Kg	☼	71	58 - 150	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*74*		*65 - 150*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*

Lab Sample ID: 460-235894-B-1-G MS
Matrix: Solid
Analysis Batch: 783144

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782854

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.040	U	0.0991	0.0753		mg/Kg	☼	76	59 - 150
2,4,5-T	0.040	U	0.0991	0.0669		mg/Kg	☼	67	59 - 150
2,4-D	0.040	U	0.397	0.260		mg/Kg	☼	66	50 - 130
2,4-D	0.040	U	0.397	0.306		mg/Kg	☼	77	50 - 130
Silvex (2,4,5-TP)	0.040	U	0.0991	0.0754		mg/Kg	☼	76	58 - 150
Silvex (2,4,5-TP)	0.040	U	0.0991	0.0719		mg/Kg	☼	73	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*78*		*65 - 150*
2,4-Dichlorophenylacetic acid	*101*		*65 - 150*

Lab Sample ID: MB 460-782992/1-A
Matrix: Solid
Analysis Batch: 783143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782992

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 07:12	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 07:12	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 07:12	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 07:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*110*		*28 - 150*	*06/08/21 14:45*	*06/09/21 07:12*	*1*
2,4-Dichlorophenylacetic acid	*118*		*28 - 150*	*06/08/21 14:45*	*06/09/21 07:12*	*1*

Lab Sample ID: LCS 460-782992/2-A
Matrix: Solid
Analysis Batch: 783143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0909		mg/L		136	36 - 139
2,4-D	0.0667	0.0962	*	mg/L		144	36 - 139

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-782992/2-A
Matrix: Solid
Analysis Batch: 783143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782992

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.0167	0.0162	J	mg/L		97	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0156	J	mg/L		94	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*100*		*28 - 150*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*

Lab Sample ID: LCSD 460-782992/3-A
Matrix: Solid
Analysis Batch: 783143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782992

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0894		mg/L		134	36 - 139	2	30
2,4-D			0.0667	0.100	*	mg/L		151	36 - 139	4	30
Silvex (2,4,5-TP)			0.0167	0.0160	J	mg/L		96	42 - 150	1	30
Silvex (2,4,5-TP)			0.0167	0.0154	J	mg/L		92	42 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*101*		*28 - 150*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*

Lab Sample ID: LB 460-782374/1-F
Matrix: Solid
Analysis Batch: 782717

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782588

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/06/21 14:47	06/07/21 11:08	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/06/21 14:47	06/07/21 11:08	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*06/06/21 14:47*	*06/07/21 11:08*	*1*
2,4-Dichlorophenylacetic acid	*77*		*28 - 150*	*06/06/21 14:47*	*06/07/21 11:08*	*1*

Lab Sample ID: LB 460-782633/1-E
Matrix: Solid
Analysis Batch: 782900

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782853

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/07/21 23:52	06/08/21 14:22	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/07/21 23:52	06/08/21 14:22	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*105*		*28 - 150*	*06/07/21 23:52*	*06/08/21 14:22*	*1*
2,4-Dichlorophenylacetic acid	*116*		*28 - 150*	*06/07/21 23:52*	*06/08/21 14:22*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-782828/1-E
Matrix: Solid
Analysis Batch: 783143

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782992

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/08/21 14:45	06/09/21 08:47	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/08/21 14:45	06/09/21 08:47	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:47*	*1*
2,4-Dichlorophenylacetic acid	*94*		*28 - 150*	*06/08/21 14:45*	*06/09/21 08:47*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-782005/1-A
Matrix: Solid
Analysis Batch: 782199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782005

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/03/21 10:00	06/04/21 09:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*40 - 140*	*06/03/21 10:00*	*06/04/21 09:08*	*1*
1-Chlorooctadecane	*77*		*40 - 140*	*06/03/21 10:00*	*06/04/21 09:08*	*1*

Lab Sample ID: LCS 460-782005/2-A
Matrix: Solid
Analysis Batch: 782199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	106		mg/Kg		80	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*89*		*40 - 140*
1-Chlorooctadecane	*92*		*40 - 140*

Lab Sample ID: LCSD 460-782005/3-A
Matrix: Solid
Analysis Batch: 782199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	110		mg/Kg		83	40 - 140	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*95*		*40 - 140*
1-Chlorooctadecane	*113*		*40 - 140*

Lab Sample ID: 460-235626-1 MS
Matrix: Solid
Analysis Batch: 782199

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)	2.1	U	142	198		mg/Kg	☼	139	40 - 140		

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	109		40 - 140
1-Chlorooctadecane	116		40 - 140

Lab Sample ID: 460-235626-1 MSD — **Client Sample ID: WCR-13 (0-8)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782199 — **Prep Batch: 782005**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	2.1	U	142	183		mg/Kg	☼	128	40 - 140	8	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	100		40 - 140
1-Chlorooctadecane	128		40 - 140

Lab Sample ID: MB 460-782728/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782977 — **Prep Batch: 782728**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/07/21 12:04	06/08/21 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	110		40 - 140	06/07/21 12:04	06/08/21 15:26	1
1-Chlorooctadecane	120		40 - 140	06/07/21 12:04	06/08/21 15:26	1

Lab Sample ID: LCS 460-782728/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782977 — **Prep Batch: 782728**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	111		mg/Kg		83	40 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	134		40 - 140

Lab Sample ID: LCSD 460-782728/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 782977 — **Prep Batch: 782728**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	119		mg/Kg		89	40 - 140	7	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	87		40 - 140
1-Chlorooctadecane	133		40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-782731/1-A
Matrix: Solid
Analysis Batch: 782914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782731

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/07/21 12:13	06/08/21 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*40 - 140*	*06/07/21 12:13*	*06/08/21 10:28*	*1*
1-Chlorooctadecane	*81*		*40 - 140*	*06/07/21 12:13*	*06/08/21 10:28*	*1*

Lab Sample ID: LCS 460-782731/2-A
Matrix: Solid
Analysis Batch: 782914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782731

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	110		mg/Kg		82	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*90*		*40 - 140*
1-Chlorooctadecane	*101*		*40 - 140*

Lab Sample ID: LCSD 460-782731/3-A
Matrix: Solid
Analysis Batch: 782914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782731

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	108		mg/Kg		81	40 - 140	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*88*		*40 - 140*
1-Chlorooctadecane	*101*		*40 - 140*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-782524/1-A
Matrix: Solid
Analysis Batch: 782586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/05/21 17:15	06/06/21 18:33	1
Barium	0.20	U	0.20	0.013	mg/L		06/05/21 17:15	06/06/21 18:33	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/05/21 17:15	06/06/21 18:33	1
Lead	0.010	U	0.010	0.0024	mg/L		06/05/21 17:15	06/06/21 18:33	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/05/21 17:15	06/06/21 18:33	1
Silver	0.010	U	0.010	0.0058	mg/L		06/05/21 17:15	06/06/21 18:33	1

Lab Sample ID: MB 460-782524/1-A
Matrix: Solid
Analysis Batch: 782789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.010	U	0.010	0.0050	mg/L		06/05/21 17:15	06/07/21 16:34	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-782524/2-A
Matrix: Solid
Analysis Batch: 782789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	5.00	5.17		mg/L		103	80 - 120

Lab Sample ID: LCS 460-782524/2-A ^2
Matrix: Solid
Analysis Batch: 782586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.07		mg/L		101	80 - 120
Barium	10.0	10.59		mg/L		106	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Lead	5.00	5.35		mg/L		107	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.500	0.499		mg/L		100	80 - 120

Lab Sample ID: MB 460-782877/1-A
Matrix: Solid
Analysis Batch: 782965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/08/21 04:59	06/08/21 16:40	1
Barium	0.20	U	0.20	0.013	mg/L		06/08/21 04:59	06/08/21 16:40	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/08/21 04:59	06/08/21 16:40	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/08/21 04:59	06/08/21 16:40	1
Lead	0.010	U	0.010	0.0024	mg/L		06/08/21 04:59	06/08/21 16:40	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/08/21 04:59	06/08/21 16:40	1
Silver	0.010	U	0.010	0.0058	mg/L		06/08/21 04:59	06/08/21 16:40	1

Lab Sample ID: LCS 460-782877/2-A ^2
Matrix: Solid
Analysis Batch: 782965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	4.37		mg/L		87	80 - 120
Barium	10.0	9.17		mg/L		92	80 - 120
Cadmium	1.00	0.932		mg/L		93	80 - 120
Chromium	5.00	4.58		mg/L		92	80 - 120
Lead	5.00	4.69		mg/L		94	80 - 120
Selenium	1.00	0.886		mg/L		89	80 - 120
Silver	0.500	0.434		mg/L		87	80 - 120

Lab Sample ID: MB 460-783145/1-A
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/09/21 06:57	06/10/21 13:51	1
Barium	0.20	U	0.20	0.013	mg/L		06/09/21 06:57	06/10/21 13:51	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/09/21 06:57	06/10/21 13:51	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/09/21 06:57	06/10/21 13:51	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 460-783145/1-A
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.010	U	0.010	0.0024	mg/L		06/09/21 06:57	06/10/21 13:51	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/09/21 06:57	06/10/21 13:51	1
Silver	0.010	U	0.010	0.0058	mg/L		06/09/21 06:57	06/10/21 13:51	1

Lab Sample ID: LCS 460-783145/2-A ^2
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	4.98		mg/L		100	80 - 120
Barium	10.0	10.54		mg/L		105	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.22		mg/L		104	80 - 120
Lead	5.00	5.41		mg/L		108	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.500	0.486		mg/L		97	80 - 120

Lab Sample ID: LB 460-782374/1-D
Matrix: Solid
Analysis Batch: 783198

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782524

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.050	U	0.050	0.025	mg/L		06/05/21 17:15	06/09/21 15:53	5

Lab Sample ID: LB 460-782374/1-D ^5
Matrix: Solid
Analysis Batch: 782586

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782524

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/05/21 17:15	06/06/21 19:25	5
Barium	1.0	U	1.0	0.066	mg/L		06/05/21 17:15	06/06/21 19:25	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/05/21 17:15	06/06/21 19:25	5
Lead	0.050	U	0.050	0.012	mg/L		06/05/21 17:15	06/06/21 19:25	5
Selenium	0.10	U	0.10	0.029	mg/L		06/05/21 17:15	06/06/21 19:25	5
Silver	0.050	U	0.050	0.029	mg/L		06/05/21 17:15	06/06/21 19:25	5

Lab Sample ID: 460-235744-E-1-E MS
Matrix: Solid
Analysis Batch: 782586

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 782524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.023	J	5.00	5.28		mg/L		105	75 - 125
Barium	0.34	J	10.0	10.88		mg/L		105	75 - 125
Cadmium	0.0024	J	1.00	1.07		mg/L		107	75 - 125
Lead	0.24		5.00	5.50		mg/L		105	75 - 125
Selenium	0.10	U	1.00	1.11		mg/L		111	75 - 125
Silver	0.050	U	0.500	0.508		mg/L		102	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-235744-E-1-E MS
Matrix: Solid
Analysis Batch: 782789

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 782524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.050	U	5.00	5.36		mg/L		107	75 - 125

Lab Sample ID: 460-235744-E-1-D DU
Matrix: Solid
Analysis Batch: 782586

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 782524

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.023	J	0.0302	J	mg/L		26	20
Barium	0.34	J	0.334	J	mg/L		0.6	20
Cadmium	0.0024	J	0.00243	J	mg/L		3	20
Lead	0.24		0.246		mg/L		2	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: 460-235744-E-1-D DU
Matrix: Solid
Analysis Batch: 782789

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 782524

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-782633/1-F ^5
Matrix: Solid
Analysis Batch: 782965

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782877

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/08/21 04:59	06/08/21 17:21	5
Barium	1.0	U	1.0	0.066	mg/L		06/08/21 04:59	06/08/21 17:21	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/08/21 04:59	06/08/21 17:21	5
Chromium	0.050	U	0.050	0.025	mg/L		06/08/21 04:59	06/08/21 17:21	5
Lead	0.050	U	0.050	0.012	mg/L		06/08/21 04:59	06/08/21 17:21	5
Selenium	0.10	U	0.10	0.029	mg/L		06/08/21 04:59	06/08/21 17:21	5
Silver	0.050	U	0.050	0.029	mg/L		06/08/21 04:59	06/08/21 17:21	5

Lab Sample ID: 460-235816-A-1-F MS
Matrix: Solid
Analysis Batch: 782965

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 782877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	4.73		mg/L		95	75 - 125
Barium	0.40	J	10.0	9.76		mg/L		94	75 - 125
Cadmium	0.020	U	1.00	0.967		mg/L		97	75 - 125
Chromium	0.050	U	5.00	4.78		mg/L		96	75 - 125
Lead	0.015	J	5.00	4.68		mg/L		93	75 - 125
Selenium	0.10	U	1.00	0.988		mg/L		99	75 - 125
Silver	0.050	U	0.500	0.464		mg/L		93	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-235816-A-1-E DU
Matrix: Solid
Analysis Batch: 782965

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 782877

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.40	J	0.408	J	mg/L		2	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.015	J	0.0198	J	mg/L		27	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-782633/1-G ^5
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783145

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 14:52	5
Barium	1.0	U	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 14:52	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 14:52	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 14:52	5
Lead	0.050	U	0.050	0.012	mg/L		06/09/21 06:57	06/10/21 14:52	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 14:52	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 14:52	5

Lab Sample ID: LB 460-782828/1-F
Matrix: Solid
Analysis Batch: 783198

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783145

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/09/21 15:13	5
Barium	1.0	U	1.0	0.066	mg/L		06/09/21 06:57	06/09/21 15:13	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/09/21 06:57	06/09/21 15:13	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/09/21 15:13	5
Lead	0.050	U	0.050	0.012	mg/L		06/09/21 06:57	06/09/21 15:13	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/09/21 15:13	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/09/21 15:13	5

Lab Sample ID: LB 460-782828/1-F ^5
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783145

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/09/21 06:57	06/10/21 15:01	5
Barium	1.0	U	1.0	0.066	mg/L		06/09/21 06:57	06/10/21 15:01	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/09/21 06:57	06/10/21 15:01	5
Chromium	0.050	U	0.050	0.025	mg/L		06/09/21 06:57	06/10/21 15:01	5
Lead	0.050	U	0.050	0.012	mg/L		06/09/21 06:57	06/10/21 15:01	5
Selenium	0.10	U	0.10	0.029	mg/L		06/09/21 06:57	06/10/21 15:01	5
Silver	0.050	U	0.050	0.029	mg/L		06/09/21 06:57	06/10/21 15:01	5

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-235697-2 MS
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: WCR-15 (0-8)
Prep Type: TCLP
Prep Batch: 783145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.31		mg/L		106	75 - 125
Barium	0.33	J	10.0	10.88		mg/L		106	75 - 125
Cadmium	0.020	U	1.00	1.09		mg/L		109	75 - 125
Chromium	0.050	U	5.00	5.38		mg/L		108	75 - 125
Lead	0.050	U	5.00	5.27		mg/L		105	75 - 125
Selenium	0.10	U	1.00	1.10		mg/L		110	75 - 125
Silver	0.050	U	0.500	0.511		mg/L		102	75 - 125

Lab Sample ID: 460-235697-2 DU
Matrix: Solid
Analysis Batch: 783480

Client Sample ID: WCR-15 (0-8)
Prep Type: TCLP
Prep Batch: 783145

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.33	J	0.329	J	mg/L		0.9	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-782640/1-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Calcium	100	U	100	17.0	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Magnesium	100	U	100	10.2	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Potassium	100	U	100	11.2	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Sodium	100	U	100	15.6	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/07/21 02:50	06/07/21 20:27	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/07/21 02:50	06/07/21 20:27	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-782640/1-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	8.0	U	8.0	2.3	mg/Kg		06/07/21 02:50	06/07/21 20:27	1

Lab Sample ID: LCSSRM 460-782640/2-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782640

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	8051		mg/Kg		99.0	48.2 - 151.3
Antimony	134	90.30		mg/Kg		67.4	3.4 - 197.0
Arsenic	156	177.8		mg/Kg		114.0	82.7 - 117.3
Barium	239	255.9		mg/Kg		107.1	82.4 - 117.2
Beryllium	169	183.3		mg/Kg		108.5	83.4 - 117.2
Cadmium	137	153.1		mg/Kg		111.8	82.5 - 116.8
Calcium	4760	5130		mg/Kg		107.8	81.7 - 118.5
Chromium	154	166.3		mg/Kg		108.0	81.8 - 117.5
Cobalt	121	137.0		mg/Kg		113.2	83.5 - 116.5
Copper	54.9	60.49		mg/Kg		110.2	84.0 - 115.8
Iron	14100	14510		mg/Kg		102.9	60.1 - 139.7
Lead	130	142.0		mg/Kg		109.3	82.3 - 116.9
Magnesium	2320	2589		mg/Kg		111.6	75.9 - 124.1
Manganese	269	290.0		mg/Kg		107.8	82.2 - 117.8
Nickel	53.9	62.23		mg/Kg		115.5	82.6 - 117.4
Potassium	2020	2071		mg/Kg		102.5	69.8 - 130.2
Selenium	167	193.2		mg/Kg		115.7	79.0 - 120.4
Silver	33.6	36.55		mg/Kg		108.8	79.8 - 119.9
Sodium	133	114.4	J	mg/Kg		86.0	71.5 - 128.6
Thallium	112	126.5		mg/Kg		112.9	80.6 - 118.8
Vanadium	62.6	67.70		mg/Kg		108.1	78.9 - 121.1
Zinc	158	169.1		mg/Kg		107.0	81.0 - 119.0

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235626-1 MS
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7950		535	8648	4	mg/Kg	☼	131	75 - 125
Antimony	1.1	U	5.35	2.51	N	mg/Kg	☼	47	75 - 125
Arsenic	2.8		10.7	18.19	N	mg/Kg	☼	144	75 - 125
Barium	51.8		10.7	59.90	4	mg/Kg	☼	76	75 - 125
Beryllium	0.43		5.35	5.64		mg/Kg	☼	97	75 - 125
Cadmium	0.12	J	5.35	5.50		mg/Kg	☼	103	75 - 125
Calcium	1170		535	1572	N	mg/Kg	☼	74	75 - 125
Chromium	19.6		10.7	27.22	N	mg/Kg	☼	71	75 - 125
Cobalt	7.2		5.35	11.28		mg/Kg	☼	76	75 - 125
Copper	23.1		10.7	31.83		mg/Kg	☼	81	75 - 125
Iron	19900		535	15030	4	mg/Kg	☼	-916	75 - 125
Lead	13.8		5.35	22.46	N	mg/Kg	☼	162	75 - 125
Magnesium	2610		535	3038	4	mg/Kg	☼	80	75 - 125
Manganese	381		53.5	403.8	4	mg/Kg	☼	43	75 - 125
Nickel	14.1		10.7	23.84		mg/Kg	☼	91	75 - 125
Potassium	1210		535	1627		mg/Kg	☼	79	75 - 125
Selenium	0.14	J	10.7	10.51		mg/Kg	☼	97	75 - 125
Silver	1.1	U	5.35	5.39		mg/Kg	☼	101	75 - 125
Sodium	466		535	982.1		mg/Kg	☼	96	75 - 125
Thallium	0.13	J	4.28	4.57		mg/Kg	☼	104	75 - 125
Vanadium	28.8		10.7	33.90	N	mg/Kg	☼	48	75 - 125
Zinc	39.9		53.5	93.49		mg/Kg	☼	100	75 - 125

Lab Sample ID: 460-235626-1 DU
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782640

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7950		7763		mg/Kg	☼	2	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	2.8		2.13		mg/Kg	☼	27	20
Barium	51.8		49.70		mg/Kg	☼	4	20
Beryllium	0.43		0.389	J	mg/Kg	☼	10	20
Cadmium	0.12	J	1.1	U	mg/Kg	☼	NC	20
Calcium	1170		1162		mg/Kg	☼	0.9	20
Chromium	19.6		15.80	*	mg/Kg	☼	22	20
Cobalt	7.2		6.51		mg/Kg	☼	10	20
Copper	23.1		20.36		mg/Kg	☼	13	20
Iron	19900		14890	*	mg/Kg	☼	29	20
Lead	13.8		10.79	*	mg/Kg	☼	24	20
Magnesium	2610		2565		mg/Kg	☼	2	20
Manganese	381		386.6		mg/Kg	☼	1	20
Nickel	14.1		12.61		mg/Kg	☼	11	20
Potassium	1210		1118		mg/Kg	☼	8	20
Selenium	0.14	J	1.3	U	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	466		430.8		mg/Kg	☼	8	20
Thallium	0.13	J	0.115	J	mg/Kg	☼	13	20
Vanadium	28.8		22.95	*	mg/Kg	☼	23	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235626-1 DU
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782640

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	39.9		38.04		mg/Kg	☼	5	20

Lab Sample ID: MB 460-782641/1-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Calcium	100	U	100	17.0	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Magnesium	100	U	100	10.2	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Potassium	14.33	J	100	11.2	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Sodium	100	U	100	15.6	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/07/21 02:54	06/07/21 22:52	1
Zinc	8.0	U	8.0	2.3	mg/Kg		06/07/21 02:54	06/07/21 22:52	1

Lab Sample ID: LCSSRM 460-782641/2-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782641

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7854		mg/Kg		96.6	48.2 - 151.3
Antimony	134	89.06		mg/Kg		66.5	3.4 - 197.0
Arsenic	156	179.3		mg/Kg		114.9	82.7 - 117.3
Barium	239	267.8		mg/Kg		112.1	82.4 - 117.2
Beryllium	169	178.1		mg/Kg		105.4	83.4 - 117.2
Cadmium	137	155.4		mg/Kg		113.4	82.5 - 116.8
Calcium	4760	5182		mg/Kg		108.9	81.7 - 118.5
Chromium	154	168.8		mg/Kg		109.6	81.8 - 117.5

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-782641/2-A
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782641

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	121	140.8		mg/Kg		116.4	83.5 - 116.5
Copper	54.9	61.62		mg/Kg		112.2	84.0 - 115.8
Iron	14100	13950		mg/Kg		98.9	60.1 - 139.7
Lead	130	143.8		mg/Kg		110.6	82.3 - 116.9
Magnesium	2320	2577		mg/Kg		111.1	75.9 - 124.1
Manganese	269	291.8		mg/Kg		108.5	82.2 - 117.8
Nickel	53.9	62.60		mg/Kg		116.1	82.6 - 117.4
Potassium	2020	2082		mg/Kg		103.1	69.8 - 130.2
Selenium	167	189.4		mg/Kg		113.4	79.0 - 120.4
Silver	33.6	36.92		mg/Kg		109.9	79.8 - 119.9
Sodium	133	113.3	J	mg/Kg		85.2	71.5 - 128.6
Thallium	112	126.0		mg/Kg		112.5	80.6 - 118.8
Vanadium	62.6	67.60		mg/Kg		108.0	78.9 - 121.1
Zinc	158	171.6		mg/Kg		108.6	81.0 - 119.0

Lab Sample ID: 460-235766-A-1-E MS
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	3400		549	4856	4	mg/Kg	☼	265	75 - 125
Antimony	0.17	J	5.49	3.92	N	mg/Kg	☼	68	75 - 125
Arsenic	4.6		11.0	16.16		mg/Kg	☼	105	75 - 125
Barium	14.9		11.0	27.52		mg/Kg	☼	115	75 - 125
Beryllium	0.14	J	5.49	5.80		mg/Kg	☼	103	75 - 125
Cadmium	1.1	U	5.49	5.60		mg/Kg	☼	102	75 - 125
Calcium	1210		549	1763		mg/Kg	☼	102	75 - 125
Chromium	8.3		11.0	20.03		mg/Kg	☼	107	75 - 125
Cobalt	1.1	J	5.49	6.94		mg/Kg	☼	106	75 - 125
Copper	6.2		11.0	17.65		mg/Kg	☼	105	75 - 125
Iron	6330		549	6551	4	mg/Kg	☼	41	75 - 125
Lead	81.3		5.49	83.93	4	mg/Kg	☼	48	75 - 125
Magnesium	732		549	1418		mg/Kg	☼	125	75 - 125
Manganese	47.8		54.9	104.7		mg/Kg	☼	104	75 - 125
Nickel	2.8		11.0	14.83		mg/Kg	☼	110	75 - 125
Potassium	352	B	549	967.2		mg/Kg	☼	112	75 - 125
Selenium	1.4	U	11.0	11.18		mg/Kg	☼	102	75 - 125
Silver	1.1	U	5.49	5.47		mg/Kg	☼	100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235766-A-1-E MS
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	110	U	549	616.6		mg/Kg	☼	112	75 - 125
Thallium	0.44	U	4.39	4.54		mg/Kg	☼	103	75 - 125
Vanadium	9.4		11.0	21.37		mg/Kg	☼	109	75 - 125
Zinc	40.2		54.9	93.78		mg/Kg	☼	98	75 - 125

Lab Sample ID: 460-235766-A-1-D DU
Matrix: Solid
Analysis Batch: 782702

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782641

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	3400		3436		mg/Kg	☼	1	20
Antimony	0.17	J	0.276	J	mg/Kg	☼	47	20
Arsenic	4.6		4.73		mg/Kg	☼	3	20
Barium	14.9		17.99		mg/Kg	☼	19	20
Beryllium	0.14	J	0.152	J	mg/Kg	☼	6	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Calcium	1210		2094	*	mg/Kg	☼	54	20
Chromium	8.3		9.46		mg/Kg	☼	13	20
Cobalt	1.1	J	1.25	J	mg/Kg	☼	9	20
Copper	6.2		6.94		mg/Kg	☼	12	20
Iron	6330		7049		mg/Kg	☼	11	20
Lead	81.3		88.32		mg/Kg	☼	8	20
Magnesium	732		1068	*	mg/Kg	☼	37	20
Manganese	47.8		50.26		mg/Kg	☼	5	20
Nickel	2.8		3.43		mg/Kg	☼	22	20
Potassium	352	B	371.4		mg/Kg	☼	5	20
Selenium	1.4	U	0.151	J	mg/Kg	☼	NC	20
Silver	1.1	U	1.1	U	mg/Kg	☼	NC	20
Sodium	110	U	20.93	J	mg/Kg	☼	NC	20
Thallium	0.44	U	0.44	U	mg/Kg	☼	NC	20
Vanadium	9.4		10.49		mg/Kg	☼	11	20
Zinc	40.2		44.19		mg/Kg	☼	10	20

Lab Sample ID: MB 460-783371/1-A
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Calcium	100	U	100	17.0	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/10/21 05:18	06/10/21 13:31	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-783371/1-A
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Magnesium	100	U	100	10.2	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Potassium	100	U	100	11.2	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Sodium	100	U	100	15.6	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/10/21 05:18	06/10/21 13:31	1
Zinc	8.0	U	8.0	2.3	mg/Kg		06/10/21 05:18	06/10/21 13:31	1

Lab Sample ID: LCSSRM 460-783371/2-A ^10
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7234		mg/Kg		89.0	48.2 - 151.3
Antimony	134	76.80		mg/Kg		57.3	3.4 - 197.0
Arsenic	156	162.4		mg/Kg		104.1	82.7 - 117.3
Barium	239	242.2		mg/Kg		101.3	82.4 - 117.2
Beryllium	169	174.2		mg/Kg		103.1	83.4 - 117.2
Cadmium	137	134.8		mg/Kg		98.4	82.5 - 116.8
Calcium	4760	4751		mg/Kg		99.8	81.7 - 118.5
Chromium	154	153.9		mg/Kg		100	81.8 - 117.5
Cobalt	121	124.3		mg/Kg		102.8	83.5 - 116.5
Copper	54.9	57.33		mg/Kg		104.4	84.0 - 115.8
Iron	14100	13020		mg/Kg		92.3	60.1 - 139.7
Lead	130	128.6		mg/Kg		98.9	82.3 - 116.9
Magnesium	2320	2356		mg/Kg		101.6	75.9 - 124.1
Manganese	269	261.6		mg/Kg		97.3	82.2 - 117.8
Nickel	53.9	55.35		mg/Kg		102.7	82.6 - 117.4
Potassium	2020	2075		mg/Kg		102.7	69.8 - 130.2
Selenium	167	167.5		mg/Kg		100.3	79.0 - 120.4
Silver	33.6	34.74		mg/Kg		103.4	79.8 - 119.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-783371/2-A ^10
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	133	1000	U	mg/Kg		116.7	71.5 - 128.6
Thallium	112	111.1		mg/Kg		99.2	80.6 - 118.8
Vanadium	62.6	60.76		mg/Kg		97.1	78.9 - 121.1
Zinc	158	162.0		mg/Kg		102.5	81.0 - 119.0

Lab Sample ID: 460-235894-B-1-H MS
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6980		595	9294	4	mg/Kg	☼	389	75 - 125
Antimony	3.5		5.95	3.72	N	mg/Kg	☼	3	75 - 125
Arsenic	12.9		11.9	18.21	N	mg/Kg	☼	45	75 - 125
Barium	166		11.9	198.5	4	mg/Kg	☼	273	75 - 125
Beryllium	0.47	J	5.95	6.41		mg/Kg	☼	100	75 - 125
Cadmium	1.2		5.95	6.48		mg/Kg	☼	89	75 - 125
Chromium	16.2		11.9	29.11		mg/Kg	☼	108	75 - 125
Cobalt	10.1		5.95	17.86	N	mg/Kg	☼	130	75 - 125
Copper	42.5		11.9	72.94	N	mg/Kg	☼	256	75 - 125
Iron	25800		595	14120	4	mg/Kg	☼	-1971	75 - 125
Lead	333		5.95	340.9	4	mg/Kg	☼	126	75 - 125
Magnesium	10700		595	13760	4	mg/Kg	☼	519	75 - 125
Manganese	278		59.5	521.9	4	mg/Kg	☼	410	75 - 125
Nickel	15.2		11.9	27.73		mg/Kg	☼	105	75 - 125
Potassium	891		595	1707	N	mg/Kg	☼	137	75 - 125
Selenium	0.59	J	11.9	11.52		mg/Kg	☼	92	75 - 125
Silver	0.17	J	5.95	5.97		mg/Kg	☼	97	75 - 125
Sodium	294		595	1214	N	mg/Kg	☼	155	75 - 125
Thallium	0.096	J	4.76	4.47		mg/Kg	☼	92	75 - 125
Vanadium	20.5		11.9	35.23		mg/Kg	☼	123	75 - 125
Zinc	505		59.5	359.7	4	mg/Kg	☼	-243	75 - 125

Lab Sample ID: 460-235894-B-1-H MS ^5
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	68200		595	80500	4	mg/Kg	☼	2066	75 - 125

Lab Sample ID: 460-235894-A-1-M DU
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	6980		7006		mg/Kg	☼	0.4	20
Antimony	3.5		1.37	*	mg/Kg	☼	88	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-235894-A-1-M DU
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	12.9		8.26	*	mg/Kg	☼	44	20
Barium	166		172.9		mg/Kg	☼	4	20
Beryllium	0.47	J	0.447	J	mg/Kg	☼	4	20
Cadmium	1.2		0.696	J	mg/Kg	☼	50	20
Chromium	16.2		15.80		mg/Kg	☼	3	20
Cobalt	10.1		8.79		mg/Kg	☼	14	20
Copper	42.5		43.14		mg/Kg	☼	1	20
Iron	25800		16120	*	mg/Kg	☼	46	20
Lead	333		259.4	*	mg/Kg	☼	25	20
Magnesium	10700		10310		mg/Kg	☼	3	20
Manganese	278		258.0		mg/Kg	☼	8	20
Nickel	15.2		17.23		mg/Kg	☼	12	20
Potassium	891		972.2		mg/Kg	☼	9	20
Selenium	0.59	J	0.572	J	mg/Kg	☼	3	20
Silver	0.17	J	0.202	J	mg/Kg	☼	15	20
Sodium	294		363.0		mg/Kg	☼	21	20
Thallium	0.096	J	0.114	J	mg/Kg	☼	17	20
Vanadium	20.5		21.40		mg/Kg	☼	4	20
Zinc	505		326.6	*	mg/Kg	☼	43	20

Lab Sample ID: 460-235894-A-1-M DU ^5
Matrix: Solid
Analysis Batch: 783489

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783371

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	68200		63590		mg/Kg	☼	7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-782754/1-A
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 14:48	1

Lab Sample ID: LCS 460-782754/2-A
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00452		mg/L		90	80 - 120

Lab Sample ID: MB 460-782970/1-A
Matrix: Solid
Analysis Batch: 783040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/08/21 12:27	06/08/21 14:41	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-783230/1-A
Matrix: Solid
Analysis Batch: 783292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/09/21 14:14	06/09/21 16:00	1

Lab Sample ID: LCS 460-783230/2-A
Matrix: Solid
Analysis Batch: 783292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00527		mg/L		105	80 - 120

Lab Sample ID: LB 460-782374/1-G
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782754

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:52	06/07/21 15:36	1

Lab Sample ID: LB 460-782633/1-D
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782754

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/07/21 13:53	06/07/21 15:46	1

Lab Sample ID: 460-235626-1 MS
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: WCR-13 (0-8)
Prep Type: TCLP
Prep Batch: 782754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00477		mg/L		95	75 - 125

Lab Sample ID: 460-235626-1 DU
Matrix: Solid
Analysis Batch: 782794

Client Sample ID: WCR-13 (0-8)
Prep Type: TCLP
Prep Batch: 782754

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Lab Sample ID: LB 460-782828/1-D
Matrix: Solid
Analysis Batch: 783040

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782970

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/08/21 12:27	06/08/21 15:24	1

Lab Sample ID: 460-235918-1 MS
Matrix: Solid
Analysis Batch: 783292

Client Sample ID: WCR-17 (0-8)
Prep Type: TCLP
Prep Batch: 783230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00513		mg/L		103	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-235918-1 DU
Matrix: Solid
Analysis Batch: 783292

Client Sample ID: WCR-17 (0-8)
Prep Type: TCLP
Prep Batch: 783230

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.00020	U		0.00020	U	mg/L				NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-782172/1-A
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/04/21 04:50	06/04/21 09:40	1

Lab Sample ID: LCSSRM 460-782172/2-A ^40
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782172

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	18.30		mg/Kg		89.3	71.7 - 128.3		

Lab Sample ID: 460-235626-1 MS
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782172

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.022		0.0849	0.0897		mg/Kg	☼	80	80 - 120		

Lab Sample ID: 460-235626-1 DU
Matrix: Solid
Analysis Batch: 782256

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA
Prep Batch: 782172

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.022			0.0232		mg/Kg	☼			7	20

Lab Sample ID: MB 460-782653/1-A
Matrix: Solid
Analysis Batch: 782721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/07/21 03:46	06/07/21 08:28	1

Lab Sample ID: LCSSRM 460-782653/2-A ^40
Matrix: Solid
Analysis Batch: 782721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782653

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	20.69		mg/Kg		100.9	71.7 - 128.3		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-235744-D-2-E MS
Matrix: Solid
Analysis Batch: 782721

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782653

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.028		0.0921	0.124		mg/Kg	☼	104	80 - 120

Lab Sample ID: 460-235744-D-2-D DU
Matrix: Solid
Analysis Batch: 782721

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782653

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.028		0.0309		mg/Kg	☼	11	20

Lab Sample ID: MB 460-782876/1-A
Matrix: Solid
Analysis Batch: 782959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/08/21 04:39	06/08/21 09:35	1

Lab Sample ID: LCSSRM 460-782876/2-A ^40
Matrix: Solid
Analysis Batch: 782959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782876

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	20.45		mg/Kg		99.7	71.7 - 128.3

Lab Sample ID: 460-235894-A-1-H MS
Matrix: Solid
Analysis Batch: 782959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.25		0.0915	0.584	N	mg/Kg	☼	359	80 - 120

Lab Sample ID: 460-235894-A-1-G DU
Matrix: Solid
Analysis Batch: 782959

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782876

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.25		0.237		mg/Kg	☼	7	20

Lab Sample ID: MB 460-783346/10-A
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/10/21 03:08	06/10/21 06:31	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 460-783346/11-A ^40
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783346

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			20.5	21.15		mg/Kg		103.2	71.7 - 128.3		

Lab Sample ID: 460-235967-A-5-I MS
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.031		0.0863	0.118		mg/Kg	☼	100	80 - 120		

Lab Sample ID: 460-235967-A-5-H DU
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783346

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.031			0.0336		mg/Kg	☼			7	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-235626-1 DU
Matrix: Solid
Analysis Batch: 782994

Client Sample ID: WCR-13 (0-8)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Lab Sample ID: 460-235497-A-1 DU
Matrix: Solid
Analysis Batch: 783214

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Burn Rate	2.20	U		2.20	U	mm/sec				NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-138166/1
Matrix: Solid
Analysis Batch: 138166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			06/15/21 17:25	1

Lab Sample ID: LCS 410-138166/2
Matrix: Solid
Analysis Batch: 138166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
HEM			40.0	34.60		mg/L		86	78 - 114		

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 410-138166/3
Matrix: Solid
Analysis Batch: 138166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	34.20		mg/L		86	78 - 114	1	13

Lab Sample ID: 410-42551-B-2 MS
Matrix: Solid
Analysis Batch: 138166

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	3.8	J	44.9	34.61	N	mg/L		69	78 - 114

Method: 410.4 - COD

Lab Sample ID: MB 460-784204/4
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1

Lab Sample ID: LCSSRM 460-784204/5
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	103	102.9		mg/Kg		99.9	76.6 - 120.4

Lab Sample ID: MRL 460-784204/3
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10.0	10.0	U	mg/L		97	

Lab Sample ID: LB 460-782118/1-A
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1

Lab Sample ID: LB 460-782585/1-A
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/14/21 22:00	1

Method: 410.4 - COD (Continued)

Lab Sample ID: 460-235474-A-1-D MS
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Matrix Spike
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	11.3		50.0	62.87		mg/Kg		103	90 - 110

Lab Sample ID: 460-235474-A-1-D MSD
Matrix: Solid
Analysis Batch: 784204

Client Sample ID: Matrix Spike Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	11.3		50.0	62.22		mg/Kg		102	90 - 110	1	10

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-782622/73
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 16:53	1

Lab Sample ID: LCS 460-782622/74
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.09		mg/L		105	89 - 113

Lab Sample ID: MRL 460-782622/12
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.100	0.0931	J	mg/L		93	50 - 150

Lab Sample ID: MB 460-784127/220
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 19:21	1

Lab Sample ID: LCS 460-784127/219
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.07		mg/L		104	89 - 113

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: MRL 460-784127/12
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			0.100	0.107		mg/L		107	50 - 150		

Lab Sample ID: 460-235815-J-7 MS
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.52		2.00	2.62		mg/L		105	89 - 113		

Lab Sample ID: 460-235815-J-7 MSD
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.52		2.00	2.61		mg/L		104	89 - 113	0	10

Lab Sample ID: LB 460-781412/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0	U	2.0	1.0	mg/L			06/06/21 17:23	1

Lab Sample ID: LB 460-781413/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:49	1

Lab Sample ID: LB 460-781602/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 17:28	1

Lab Sample ID: LB 460-782118/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/06/21 16:56	1

Lab Sample ID: LB 460-782528/1-A
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0	U	2.0	1.0	mg/L			06/06/21 17:19	1

Method: 4500 NH3 H - Ammonia

Lab Sample ID: 460-235697-2 MS
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: WCR-15 (0-8)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	2.00	2.21		mg/L		111	89 - 113

Lab Sample ID: 460-235697-2 MSD
Matrix: Solid
Analysis Batch: 782622

Client Sample ID: WCR-15 (0-8)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.21		mg/L		111	89 - 113	0	10

Lab Sample ID: LB 460-782585/1-A
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 16:56	1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-136593/1-A
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		06/10/21 18:33	06/11/21 00:04	1

Lab Sample ID: LCS 410-136593/2-A
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.79		mg/Kg		96	80 - 120

Lab Sample ID: LCSI 410-136593/3-A
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136593

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	778	693.3		mg/Kg		89	80 - 120

Lab Sample ID: 460-235812-6 MSI
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: WC-23_WC-24 (10-18)
Prep Type: Total/NA
Prep Batch: 136593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.26	J	1140	1124		mg/Kg	☼	99	75 - 125

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 460-235812-6 MSS
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: WC-23_WC-24 (10-18)
Prep Type: Total/NA
Prep Batch: 136593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.26	J	45.4	43.65		mg/Kg	☼	95	75 - 125

Lab Sample ID: 460-235812-6 DU
Matrix: Solid
Analysis Batch: 136654

Client Sample ID: WC-23_WC-24 (10-18)
Prep Type: Total/NA
Prep Batch: 136593

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.26	J	0.863	*	mg/Kg	☼	107	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-782558/1-A
Matrix: Solid
Analysis Batch: 782772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/06/21 10:21	06/07/21 15:15	1

Lab Sample ID: LCSSRM 460-782558/2-A ^20
Matrix: Solid
Analysis Batch: 782772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782558

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	95.3	88.80		mg/Kg		93.2	23.7 - 123.8

Lab Sample ID: 460-235120-A-3-D MS
Matrix: Solid
Analysis Batch: 782772

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782558

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.24	U	4.62	4.85		mg/Kg		105	11 - 108

Lab Sample ID: 460-235120-A-3-E MSD
Matrix: Solid
Analysis Batch: 782772

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.24	U	4.44	5.42	N	mg/Kg		122	11 - 108	11	40

Lab Sample ID: MB 460-783320/1-A
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/09/21 19:03	06/10/21 13:55	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 460-783320/2-A ^20
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783320

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			95.3	74.88		mg/Kg		78.6	23.7 - 123.8		

Lab Sample ID: 460-235894-A-1-J MS
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.54		5.29	1.42		mg/Kg	☼	17	11 - 108		

Lab Sample ID: 460-235894-A-1-K MSD
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.54		5.10	1.12		mg/Kg	☼	11	11 - 108	24	40

Lab Sample ID: 460-235993-E-5-G MS
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.25		4.49	3.88		mg/Kg	☼	81	11 - 108		

Lab Sample ID: 460-235993-E-5-H MSD
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.25		4.64	3.90		mg/Kg	☼	79	11 - 108	0	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-782499/1-A
Matrix: Solid
Analysis Batch: 782502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782499

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/05/21 16:13	06/05/21 16:18	1

Lab Sample ID: LCS 460-782499/2-A
Matrix: Solid
Analysis Batch: 782502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive			40.0	25.0	U	mg/Kg		12	10 - 100		

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: 460-235288-D-1-M DU
Matrix: Solid
Analysis Batch: 782502

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 782499

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	25.0	U		25.0	U	mg/Kg				NC	10

Lab Sample ID: MB 460-783269/1-A
Matrix: Solid
Analysis Batch: 783277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783269

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/09/21 16:24	06/09/21 16:31	1

Lab Sample ID: LCS 460-783269/2-A
Matrix: Solid
Analysis Batch: 783277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive			40.0	25.0	U	mg/Kg		12	10 - 100		

Lab Sample ID: 460-235497-A-1-V DU
Matrix: Solid
Analysis Batch: 783277

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783269

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	25.0	U		25.0	U	mg/Kg				NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-782498/1-A
Matrix: Solid
Analysis Batch: 782501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782498

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/05/21 16:10	01/26/80 16:16	1

Lab Sample ID: LCSSRM 460-782498/3-A
Matrix: Solid
Analysis Batch: 782501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782498

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			62.6	56.11		mg/Kg		89.6	44.9 - 144.2		

Lab Sample ID: 460-235288-D-1-J MS
Matrix: Solid
Analysis Batch: 782501

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 782498

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive	20.0	U	422	313.4		mg/Kg		74	64 - 136		

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-235288-D-1-K MSD
Matrix: Solid
Analysis Batch: 782501

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 782498

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	422	305.8		mg/Kg		72	64 - 136	2	10

Lab Sample ID: MB 460-783265/1-A
Matrix: Solid
Analysis Batch: 783270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783265

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/09/21 16:19	06/09/21 16:27	1

Lab Sample ID: LCSSRM 460-783265/3-A
Matrix: Solid
Analysis Batch: 783270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783265

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	54.50		mg/Kg		87.1	44.9 - 144.2

Lab Sample ID: 460-235497-A-1-S MS
Matrix: Solid
Analysis Batch: 783270

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	427	342.0		mg/Kg		80	64 - 136

Lab Sample ID: 460-235497-A-1-T MSD
Matrix: Solid
Analysis Batch: 783270

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	427	342.0		mg/Kg		80	64 - 136	0	10

Method: 9045D - pH

Lab Sample ID: MB 460-783500/2
Matrix: Solid
Analysis Batch: 783500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.8				SU			06/10/21 11:12	1
Corrosivity	5.8				SU			06/10/21 11:12	1

Lab Sample ID: LCSSRM 460-783500/3
Matrix: Solid
Analysis Batch: 783500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	8.31	8.2		SU		98.8	97.6 - 102.4
Corrosivity	8.31	8.2		SU		98.8	97.6 - 102.4

Method: 9045D - pH (Continued)

Lab Sample ID: 460-235369-A-1 DU
Matrix: Solid
Analysis Batch: 783500

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.1			7.1		SU				1	10
Corrosivity	7.1			7.1		SU				1	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-135483/1-A
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	599	U	599	200	mg/Kg		06/08/21 19:45	06/09/21 12:42	1

Lab Sample ID: LCS 410-135483/2-A
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135483

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease			4980	4850		mg/Kg		97	91 - 111		

Lab Sample ID: 460-235697-2 MS
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: WCR-15 (0-8)
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Oil & Grease	412	J	5300	4354	N	mg/Kg	☼	74	91 - 111		

Lab Sample ID: 460-235697-2 MSD
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: WCR-15 (0-8)
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	412	J	5370	4507	N	mg/Kg	☼	76	91 - 111	3	26

Lab Sample ID: 460-235697-2 DU
Matrix: Solid
Analysis Batch: 135875

Client Sample ID: WCR-15 (0-8)
Prep Type: Total/NA
Prep Batch: 135483

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Oil & Grease	412	J		640	U	mg/Kg	☼			NC	20

Lab Sample ID: MB 410-137038/1-A
Matrix: Solid
Analysis Batch: 137216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		06/11/21 19:55	06/13/21 11:20	1

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 410-137038/2-A
Matrix: Solid
Analysis Batch: 137216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	4935		mg/Kg		99	91 - 111

Lab Sample ID: 460-235918-2 MS
Matrix: Solid
Analysis Batch: 137216

Client Sample ID: WC-26 (0-5)
Prep Type: Total/NA
Prep Batch: 137038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	553	J	5460	3829	N	mg/Kg	☼	60	91 - 111

Lab Sample ID: 460-235918-2 MSD
Matrix: Solid
Analysis Batch: 137216

Client Sample ID: WC-26 (0-5)
Prep Type: Total/NA
Prep Batch: 137038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	553	J	5380	3789	N	mg/Kg	☼	60	91 - 111	1	26

Lab Sample ID: 460-235918-2 DU
Matrix: Solid
Analysis Batch: 137216

Client Sample ID: WC-26 (0-5)
Prep Type: Total/NA
Prep Batch: 137038

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	553	J	412.3	J	mg/Kg	☼	29	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-235474-A-1 DU
Matrix: Solid
Analysis Batch: 783195

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-235623-A-1 DU
Matrix: Solid
Analysis Batch: 782035

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	65.9		66.4		%		0.7	20
Percent Solids	34.1		33.6		%		1	20

Lab Sample ID: 460-235766-B-6 DU
Matrix: Solid
Analysis Batch: 782308

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.6		8.1		%		6	20
Percent Solids	92.4		91.9		%		0.5	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-235812-4 DU
Matrix: Solid
Analysis Batch: 782737

Client Sample ID: WC-23D (1-3)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10.5		10.4		%		0.9	20
Percent Solids	89.5		89.6		%		0.1	20

Lab Sample ID: 460-235902-G-3 DU
Matrix: Solid
Analysis Batch: 782972

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.6		12.9		%		12	20
Percent Solids	85.4		87.1		%		2	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-782302/1
Matrix: Solid
Analysis Batch: 782302

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/04/21 14:58	1

Lab Sample ID: LCSSRM 460-782302/2
Matrix: Solid
Analysis Batch: 782302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	781.0		mg/L		103.3	89.9 - 110.1

Lab Sample ID: MRL 460-782302/3
Matrix: Solid
Analysis Batch: 782302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.00		mg/L		132	50 - 150

Lab Sample ID: MB 460-782709/1
Matrix: Solid
Analysis Batch: 782709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/07/21 09:15	1

Lab Sample ID: LCSSRM 460-782709/2
Matrix: Solid
Analysis Batch: 782709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	756.0		mg/L		100	89.9 - 110.1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: MRL 460-782709/3
Matrix: Solid
Analysis Batch: 782709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			7.56	10.0	U	mg/L		66	50 - 150		

Lab Sample ID: LB 460-782118/1-A
Matrix: Solid
Analysis Batch: 782302

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/04/21 14:58	1

Lab Sample ID: 460-235474-A-1-D DU
Matrix: Solid
Analysis Batch: 782302

Client Sample ID: Duplicate
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	95.0			93.00		mg/L				2	5

Lab Sample ID: LB 460-782585/1-A
Matrix: Solid
Analysis Batch: 782709

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/07/21 14:19	1

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-782037/1
Matrix: Solid
Analysis Batch: 782037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/03/21 13:23	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/03/21 13:23	1

Lab Sample ID: 460-235474-A-1 DU
Matrix: Solid
Analysis Batch: 782037

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	99.9			99.84		%				0	5
Total Volatile Solids	1.4			1.70	*	%				21	5

Lab Sample ID: MB 460-782700/1
Matrix: Solid
Analysis Batch: 782700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/07/21 08:40	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/07/21 08:40	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: 460-235918-2 DU
Matrix: Solid
Analysis Batch: 782700

Client Sample ID: WC-26 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	91.0			90.73		%				1	5
Total Volatile Solids	2.1			1.72	*	%				67	5

GC/MS VOA

Prep Batch: 781840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-2	WCR-13C (6-8)	Total/NA	Solid	5035	
460-235626-3	WCR-14C (1-3)	Total/NA	Solid	5035	
LB3 460-781840/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 781912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-1	WCR-15B (6-8)	Total/NA	Solid	5035	
460-235697-4	WC-24B (1-3)	Total/NA	Solid	5035	
LB3 460-781912/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 781952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-2	WCR-13C (6-8)	TCLP	Solid	1311	
460-235626-3	WCR-14C (1-3)	TCLP	Solid	1311	
460-235697-1	WCR-15B (6-8)	TCLP	Solid	1311	
460-235697-4	WC-24B (1-3)	TCLP	Solid	1311	
LB 460-781952/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 782061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-781840/1-A	Method Blank	Total/NA	Solid	8260D	781840
MB 460-782061/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-782061/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782061/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781952/1-A	Method Blank	TCLP	Solid	8260D	781952
MB 460-782178/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-782178/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782178/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 782273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-1	WC-23C (13-15)	Total/NA	Solid	5035	
460-235812-2	WC-23A (6-8)	Total/NA	Solid	5035	
460-235812-3	WCR-17B (1-3)	Total/NA	Solid	5035	
460-235812-4	WC-23D (1-3)	Total/NA	Solid	5035	
LB3 460-782273/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 782317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-781912/1-A	Method Blank	Total/NA	Solid	8260D	781912
MB 460-782317/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-782317/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782317/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-1	WCR-15B (6-8)	Total/NA	Solid	8260D	781912
460-235697-4	WC-24B (1-3)	Total/NA	Solid	8260D	781912

GC/MS VOA (Continued)

Analysis Batch: 782319 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-782319/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-782319/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782319/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-1	WC-23C (13-15)	Total/NA	Solid	8260D	782273
460-235812-2	WC-23A (6-8)	Total/NA	Solid	8260D	782273
460-235812-3	WCR-17B (1-3)	Total/NA	Solid	8260D	782273
460-235812-4	WC-23D (1-3)	Total/NA	Solid	8260D	782273
LB3 460-782273/1-A	Method Blank	Total/NA	Solid	8260D	782273
MB 460-782408/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-782408/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782408/13	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-2	WCR-13C (6-8)	Total/NA	Solid	8260D	781840
460-235626-3	WCR-14C (1-3)	Total/NA	Solid	8260D	781840
MB 460-782409/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-782409/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782409/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 782513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-3	WC-26C (1-3)	Total/NA	Solid	5035	
460-235918-5	WCR-16B (3-5)	Total/NA	Solid	5035	
LB3 460-782513/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 782517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-1	WC-23C (13-15)	TCLP	Solid	1311	
460-235812-2	WC-23A (6-8)	TCLP	Solid	1311	
460-235812-3	WCR-17B (1-3)	TCLP	Solid	1311	
460-235812-4	WC-23D (1-3)	TCLP	Solid	1311	
460-235918-3	WC-26C (1-3)	TCLP	Solid	1311	
460-235918-5	WCR-16B (3-5)	TCLP	Solid	1311	
LB 460-782517/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 782657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-3	WC-26C (1-3)	Total/NA	Solid	8260D	782513
460-235918-5	WCR-16B (3-5)	Total/NA	Solid	8260D	782513
LB3 460-782513/1-A	Method Blank	Total/NA	Solid	8260D	782513
MB 460-782657/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-782657/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782657/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-2	WCR-13C (6-8)	TCLP	Solid	8260D	781952

GC/MS VOA (Continued)

Analysis Batch: 782671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-3	WCR-14C (1-3)	TCLP	Solid	8260D	781952
460-235697-1	WCR-15B (6-8)	TCLP	Solid	8260D	781952
460-235697-4	WC-24B (1-3)	TCLP	Solid	8260D	781952
MB 460-782671/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-782671/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782671/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782517/1-A	Method Blank	TCLP	Solid	8260D	782517
MB 460-782801/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-782801/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-782801/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-1	WC-23C (13-15)	TCLP	Solid	8260D	782517
460-235812-2	WC-23A (6-8)	TCLP	Solid	8260D	782517
460-235812-3	WCR-17B (1-3)	TCLP	Solid	8260D	782517
460-235812-4	WC-23D (1-3)	TCLP	Solid	8260D	782517
460-235918-3	WC-26C (1-3)	TCLP	Solid	8260D	782517
MB 460-783157/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-783157/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783157/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-5	WCR-16B (3-5)	TCLP	Solid	8260D	782517
MB 460-783311/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-783311/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783311/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Analysis Batch: 781858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	8270E	781877
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	8270E	781877
MB 460-781877/1-A	Method Blank	Total/NA	Solid	8270E	781877
LCS 460-781877/2-A	Lab Control Sample	Total/NA	Solid	8270E	781877
LCSD 460-781877/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	781877
460-235634-A-5-A MS	Matrix Spike	Total/NA	Solid	8270E	781877
460-235634-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	781877

Prep Batch: 781877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3546	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3546	
MB 460-781877/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781877/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781877/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 781877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235634-A-5-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235634-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 782252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3546	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3546	
MB 460-782252/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782252/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782252/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235670-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235670-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 782355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	8270E	782252
460-235697-3	WC-24 (0-5)	Total/NA	Solid	8270E	782252
MB 460-782252/1-A	Method Blank	Total/NA	Solid	8270E	782252
LCS 460-782252/2-A	Lab Control Sample	Total/NA	Solid	8270E	782252
LCSD 460-782252/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782252
460-235670-A-1-A MS	Matrix Spike	Total/NA	Solid	8270E	782252
460-235670-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	782252

Leach Batch: 782374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	1311	
460-235626-4	WCR-14 (0-8)	TCLP	Solid	1311	
460-235697-3	WC-24 (0-5)	TCLP	Solid	1311	
LB 460-782374/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 782381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3546	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3546	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3546	
MB 460-782381/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782381/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782381/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235313-A-9-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235313-A-9-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 782483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	8270E	782381
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	8270E	782381
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	8270E	782381
MB 460-782381/1-A	Method Blank	Total/NA	Solid	8270E	782381
LCS 460-782381/2-A	Lab Control Sample	Total/NA	Solid	8270E	782381
LCSD 460-782381/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782381
460-235313-A-9-A MS	Matrix Spike	Total/NA	Solid	8270E	782381
460-235313-A-9-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	782381

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Prep Batch: 782553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	3510C	782374
460-235626-4	WCR-14 (0-8)	TCLP	Solid	3510C	782374
460-235697-3	WC-24 (0-5)	TCLP	Solid	3510C	782374
LB 460-782374/1-E	Method Blank	TCLP	Solid	3510C	782374
MB 460-782553/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782553/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782553/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 782579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3546	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3546	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3546	
MB 460-782579/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782579/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782579/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235930-E-4-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235930-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 782611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	8270E	782553
460-235626-4	WCR-14 (0-8)	TCLP	Solid	8270E	782553
460-235697-3	WC-24 (0-5)	TCLP	Solid	8270E	782553
LB 460-782374/1-E	Method Blank	TCLP	Solid	8270E	782553
MB 460-782553/1-A	Method Blank	Total/NA	Solid	8270E	782553
LCS 460-782553/2-A	Lab Control Sample	Total/NA	Solid	8270E	782553
LCSD 460-782553/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782553

Analysis Batch: 782628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-2	WC-26 (0-5)	Total/NA	Solid	8270E	782579
MB 460-782579/1-A	Method Blank	Total/NA	Solid	8270E	782579
LCS 460-782579/2-A	Lab Control Sample	Total/NA	Solid	8270E	782579
LCSD 460-782579/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782579
460-235930-E-4-A MS	Matrix Spike	Total/NA	Solid	8270E	782579

Leach Batch: 782633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	1311	
460-235812-5	WC-23 (0-5)	TCLP	Solid	1311	
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	1311	
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	1311	
LB 460-782633/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 782712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	3510C	782633
460-235812-5	WC-23 (0-5)	TCLP	Solid	3510C	782633
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	3510C	782633
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	3510C	782633

GC/MS Semi VOA (Continued)

Prep Batch: 782712 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782633/1-B	Method Blank	TCLP	Solid	3510C	782633
MB 460-782712/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782712/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782712/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 782811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	8270E	782579
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	8270E	782579
460-235930-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	782579

Leach Batch: 782828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	1311	
460-235918-2	WC-26 (0-5)	TCLP	Solid	1311	
460-235918-4	WCR-16 (0-8)	TCLP	Solid	1311	
LB 460-782828/1-B	Method Blank	TCLP	Solid	1311	

Analysis Batch: 782849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	8270E	782712
460-235812-5	WC-23 (0-5)	TCLP	Solid	8270E	782712
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	8270E	782712
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	8270E	782712
LB 460-782633/1-B	Method Blank	TCLP	Solid	8270E	782712
MB 460-782712/1-A	Method Blank	Total/NA	Solid	8270E	782712
LCS 460-782712/2-A	Lab Control Sample	Total/NA	Solid	8270E	782712
LCSD 460-782712/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782712

Prep Batch: 782951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	3510C	782828
460-235918-2	WC-26 (0-5)	TCLP	Solid	3510C	782828
460-235918-4	WCR-16 (0-8)	TCLP	Solid	3510C	782828
LB 460-782828/1-B	Method Blank	TCLP	Solid	3510C	782828
MB 460-782951/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782951/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782951/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 783039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	8270E	782951
460-235918-2	WC-26 (0-5)	TCLP	Solid	8270E	782951
460-235918-4	WCR-16 (0-8)	TCLP	Solid	8270E	782951
LB 460-782828/1-B	Method Blank	TCLP	Solid	8270E	782951
MB 460-782951/1-A	Method Blank	Total/NA	Solid	8270E	782951
LCS 460-782951/2-A	Lab Control Sample	Total/NA	Solid	8270E	782951
LCSD 460-782951/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	782951

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Prep Batch: 781872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3546	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3546	
MB 460-781872/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781872/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781872/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235634-E-5-A MS	Matrix Spike	Total/NA	Solid	3546	
460-235634-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 781873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3546	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3546	
MB 460-781873/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-781873/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-781873/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 781922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	8081B	781873
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	8081B	781873
MB 460-781873/1-A	Method Blank	Total/NA	Solid	8081B	781873
LCS 460-781873/2-A	Lab Control Sample	Total/NA	Solid	8081B	781873
LCSD 460-781873/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	781873

Analysis Batch: 781986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	8082A	781872
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	8082A	781872
MB 460-781872/1-A	Method Blank	Total/NA	Solid	8082A	781872
LCS 460-781872/2-A	Lab Control Sample	Total/NA	Solid	8082A	781872
LCSD 460-781872/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	781872
460-235634-E-5-A MS	Matrix Spike	Total/NA	Solid	8082A	781872
460-235634-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	781872

Prep Batch: 782005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3546	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3546	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3546	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3546	
MB 460-782005/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782005/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782005/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	3546	
460-235626-1 MSD	WCR-13 (0-8)	Total/NA	Solid	3546	

Prep Batch: 782091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3546	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3546	
MB 460-782091/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 782091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-782091/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782091/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235648-D-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-235648-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 782095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3546	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3546	
MB 460-782095/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782095/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782095/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235648-D-1-E MS	Matrix Spike	Total/NA	Solid	3546	
460-235648-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 782155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	8081B	782095
MB 460-782095/1-A	Method Blank	Total/NA	Solid	8081B	782095
LCS 460-782095/2-A	Lab Control Sample	Total/NA	Solid	8081B	782095
LCSD 460-782095/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782095
460-235648-D-1-E MS	Matrix Spike	Total/NA	Solid	8081B	782095
460-235648-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	782095

Analysis Batch: 782161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-3	WC-24 (0-5)	Total/NA	Solid	8081B	782095

Analysis Batch: 782199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	NJDEP EPH	782005
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	NJDEP EPH	782005
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	NJDEP EPH	782005
460-235697-3	WC-24 (0-5)	Total/NA	Solid	NJDEP EPH	782005
MB 460-782005/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	782005
LCS 460-782005/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	782005
LCSD 460-782005/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	782005
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	NJDEP EPH	782005
460-235626-1 MSD	WCR-13 (0-8)	Total/NA	Solid	NJDEP EPH	782005

Analysis Batch: 782237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	8082A	782091
460-235697-3	WC-24 (0-5)	Total/NA	Solid	8082A	782091
MB 460-782091/1-A	Method Blank	Total/NA	Solid	8082A	782091
LCS 460-782091/2-A	Lab Control Sample	Total/NA	Solid	8082A	782091
LCSD 460-782091/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	782091
460-235648-D-1-B MS	Matrix Spike	Total/NA	Solid	8082A	782091
460-235648-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	782091

GC Semi VOA

Leach Batch: 782374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	1311	
460-235626-4	WCR-14 (0-8)	TCLP	Solid	1311	
460-235697-3	WC-24 (0-5)	TCLP	Solid	1311	
LB 460-782374/1-B	Method Blank	TCLP	Solid	1311	
LB 460-782374/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 782393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	8151A	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	8151A	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	8151A	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	8151A	
MB 460-782393/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782393/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782393/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-235549-A-1-B MS	Matrix Spike	Total/NA	Solid	8151A	
460-235549-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Prep Batch: 782394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	8151A	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	8151A	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	8151A	
MB 460-782394/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782394/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782394/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-235744-A-1-D MS	Matrix Spike	Total/NA	Solid	8151A	
460-235744-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Prep Batch: 782464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	3510C	782374
460-235626-4	WCR-14 (0-8)	TCLP	Solid	3510C	782374
460-235697-3	WC-24 (0-5)	TCLP	Solid	3510C	782374
LB 460-782374/1-B	Method Blank	TCLP	Solid	3510C	782374
MB 460-782464/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782464/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782464/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 782504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3546	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3546	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3546	
MB 460-782504/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782504/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782504/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 782510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 782510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3546	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3546	
MB 460-782510/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782510/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782510/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 782588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	8151A	782374
460-235626-4	WCR-14 (0-8)	TCLP	Solid	8151A	782374
460-235697-3	WC-24 (0-5)	TCLP	Solid	8151A	782374
LB 460-782374/1-F	Method Blank	TCLP	Solid	8151A	782374
MB 460-782588/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782588/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782588/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 782591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3546	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3546	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3546	
MB 460-782591/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782591/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782591/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 782592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3546	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3546	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3546	
MB 460-782592/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782592/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782592/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-235916-B-1-E MS	Matrix Spike	Total/NA	Solid	3546	
460-235916-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Leach Batch: 782633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	1311	
460-235812-5	WC-23 (0-5)	TCLP	Solid	1311	
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	1311	
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	1311	
LB 460-782633/1-C	Method Blank	TCLP	Solid	1311	
LB 460-782633/1-E	Method Blank	TCLP	Solid	1311	

Analysis Batch: 782647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	8081B	782464
460-235626-4	WCR-14 (0-8)	TCLP	Solid	8081B	782464
460-235697-3	WC-24 (0-5)	TCLP	Solid	8081B	782464
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	8081B	782592

GC Semi VOA (Continued)

Analysis Batch: 782647 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-2	WC-26 (0-5)	Total/NA	Solid	8081B	782592
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	8081B	782592
LB 460-782374/1-B	Method Blank	TCLP	Solid	8081B	782464
MB 460-782464/1-A	Method Blank	Total/NA	Solid	8081B	782464
MB 460-782592/1-A	Method Blank	Total/NA	Solid	8081B	782592
LCS 460-782464/2-A	Lab Control Sample	Total/NA	Solid	8081B	782464
LCS 460-782592/2-A	Lab Control Sample	Total/NA	Solid	8081B	782592
LCSD 460-782464/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782464
LCSD 460-782592/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782592
460-235916-B-1-E MS	Matrix Spike	Total/NA	Solid	8081B	782592
460-235916-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	782592

Analysis Batch: 782706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	8082A	782504
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	8082A	782504
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	8082A	782504
MB 460-782504/1-A	Method Blank	Total/NA	Solid	8082A	782504
LCS 460-782504/2-A	Lab Control Sample	Total/NA	Solid	8082A	782504
LCSD 460-782504/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	782504

Prep Batch: 782716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	3510C	782633
460-235812-5	WC-23 (0-5)	TCLP	Solid	3510C	782633
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	3510C	782633
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	3510C	782633
LB 460-782633/1-C	Method Blank	TCLP	Solid	3510C	782633
MB 460-782716/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782716/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782716/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 782717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782374/1-F	Method Blank	TCLP	Solid	8151A	782588
MB 460-782588/1-A	Method Blank	Total/NA	Solid	8151A	782588
LCS 460-782588/2-A	Lab Control Sample	Total/NA	Solid	8151A	782588
LCSD 460-782588/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782588

Prep Batch: 782728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3546	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3546	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3546	
MB 460-782728/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782728/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782728/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 782731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 782731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3546	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3546	
MB 460-782731/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-782731/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-782731/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 782733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	8151A	782588
460-235626-4	WCR-14 (0-8)	TCLP	Solid	8151A	782588
460-235697-3	WC-24 (0-5)	TCLP	Solid	8151A	782588
460-235812-5	WC-23 (0-5)	Total/NA	Solid	8151A	782394
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	8151A	782394
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	8151A	782394
MB 460-782394/1-A	Method Blank	Total/NA	Solid	8151A	782394
LCS 460-782394/2-A	Lab Control Sample	Total/NA	Solid	8151A	782394
LCSD 460-782394/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782394
460-235744-A-1-D MS	Matrix Spike	Total/NA	Solid	8151A	782394
460-235744-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	782394

Leach Batch: 782828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	1311	
460-235918-2	WC-26 (0-5)	TCLP	Solid	1311	
460-235918-4	WCR-16 (0-8)	TCLP	Solid	1311	
LB 460-782828/1-C	Method Blank	TCLP	Solid	1311	
LB 460-782828/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 782853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	8151A	782633
460-235812-5	WC-23 (0-5)	TCLP	Solid	8151A	782633
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	8151A	782633
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	8151A	782633
LB 460-782633/1-E	Method Blank	TCLP	Solid	8151A	782633
MB 460-782853/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782853/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782853/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 782854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	8151A	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	8151A	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	8151A	
MB 460-782854/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782854/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782854/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-235894-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
460-235894-B-1-G MS	Matrix Spike	Total/NA	Solid	8151A	

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Analysis Batch: 782865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	8081B	782716
460-235812-5	WC-23 (0-5)	TCLP	Solid	8081B	782716
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	8081B	782716
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	8081B	782716
LB 460-782633/1-C	Method Blank	TCLP	Solid	8081B	782716
MB 460-782716/1-A	Method Blank	Total/NA	Solid	8081B	782716
LCS 460-782716/2-A	Lab Control Sample	Total/NA	Solid	8081B	782716
LCSD 460-782716/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782716

Analysis Batch: 782870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	8081B	782510
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	8081B	782510
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	8081B	782510
MB 460-782510/1-A	Method Blank	Total/NA	Solid	8081B	782510
LCS 460-782510/2-A	Lab Control Sample	Total/NA	Solid	8081B	782510
LCSD 460-782510/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782510

Analysis Batch: 782900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	8151A	782853
460-235812-5	WC-23 (0-5)	TCLP	Solid	8151A	782853
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	8151A	782853
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	8151A	782853
LB 460-782633/1-E	Method Blank	TCLP	Solid	8151A	782853
MB 460-782853/1-A	Method Blank	Total/NA	Solid	8151A	782853
LCS 460-782853/2-A	Lab Control Sample	Total/NA	Solid	8151A	782853
LCSD 460-782853/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782853

Analysis Batch: 782901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	8151A	782393
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	8151A	782393
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	8151A	782393
460-235697-3	WC-24 (0-5)	Total/NA	Solid	8151A	782393
MB 460-782393/1-A	Method Blank	Total/NA	Solid	8151A	782393
LCS 460-782393/2-A	Lab Control Sample	Total/NA	Solid	8151A	782393
LCSD 460-782393/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782393
460-235549-A-1-B MS	Matrix Spike	Total/NA	Solid	8151A	782393
460-235549-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	782393

Analysis Batch: 782914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	NJDEP EPH	782731
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	NJDEP EPH	782731
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	NJDEP EPH	782731
MB 460-782731/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	782731
LCS 460-782731/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	782731
LCSD 460-782731/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	782731

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Prep Batch: 782953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	3510C	782828
460-235918-2	WC-26 (0-5)	TCLP	Solid	3510C	782828
460-235918-4	WCR-16 (0-8)	TCLP	Solid	3510C	782828
LB 460-782828/1-C	Method Blank	TCLP	Solid	3510C	782828
MB 460-782953/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-782953/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-782953/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 782977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	NJDEP EPH	782728
460-235918-2	WC-26 (0-5)	Total/NA	Solid	NJDEP EPH	782728
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	NJDEP EPH	782728
MB 460-782728/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	782728
LCS 460-782728/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	782728
LCSD 460-782728/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	782728

Prep Batch: 782992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	8151A	782828
460-235918-2	WC-26 (0-5)	TCLP	Solid	8151A	782828
460-235918-4	WCR-16 (0-8)	TCLP	Solid	8151A	782828
LB 460-782828/1-E	Method Blank	TCLP	Solid	8151A	782828
MB 460-782992/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-782992/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-782992/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 783114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	8081B	782953
460-235918-2	WC-26 (0-5)	TCLP	Solid	8081B	782953
460-235918-4	WCR-16 (0-8)	TCLP	Solid	8081B	782953
LB 460-782828/1-C	Method Blank	TCLP	Solid	8081B	782953
MB 460-782953/1-A	Method Blank	Total/NA	Solid	8081B	782953
LCS 460-782953/2-A	Lab Control Sample	Total/NA	Solid	8081B	782953
LCSD 460-782953/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	782953

Analysis Batch: 783143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	8151A	782992
460-235918-2	WC-26 (0-5)	TCLP	Solid	8151A	782992
460-235918-4	WCR-16 (0-8)	TCLP	Solid	8151A	782992
LB 460-782828/1-E	Method Blank	TCLP	Solid	8151A	782992
MB 460-782992/1-A	Method Blank	Total/NA	Solid	8151A	782992
LCS 460-782992/2-A	Lab Control Sample	Total/NA	Solid	8151A	782992
LCSD 460-782992/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782992

Analysis Batch: 783144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	8151A	782854
460-235918-2	WC-26 (0-5)	Total/NA	Solid	8151A	782854

GC Semi VOA (Continued)

Analysis Batch: 783144 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	8151A	782854
MB 460-782854/1-A	Method Blank	Total/NA	Solid	8151A	782854
LCS 460-782854/2-A	Lab Control Sample	Total/NA	Solid	8151A	782854
LCSD 460-782854/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	782854
460-235894-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	782854
460-235894-B-1-G MS	Matrix Spike	Total/NA	Solid	8151A	782854

Analysis Batch: 783164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	8082A	782591
460-235918-2	WC-26 (0-5)	Total/NA	Solid	8082A	782591
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	8082A	782591
MB 460-782591/1-A	Method Blank	Total/NA	Solid	8082A	782591
LCS 460-782591/2-A	Lab Control Sample	Total/NA	Solid	8082A	782591
LCSD 460-782591/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	782591

Metals

Prep Batch: 782172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7471B	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7471B	
MB 460-782172/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-782172/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	7471B	
460-235626-1 DU	WCR-13 (0-8)	Total/NA	Solid	7471B	

Analysis Batch: 782256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7471B	782172
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7471B	782172
MB 460-782172/1-A	Method Blank	Total/NA	Solid	7471B	782172
LCSSRM 460-782172/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	782172
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	7471B	782172
460-235626-1 DU	WCR-13 (0-8)	Total/NA	Solid	7471B	782172

Leach Batch: 782374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	1311	
460-235626-4	WCR-14 (0-8)	TCLP	Solid	1311	
460-235697-3	WC-24 (0-5)	TCLP	Solid	1311	
LB 460-782374/1-D	Method Blank	TCLP	Solid	1311	
LB 460-782374/1-D ^5	Method Blank	TCLP	Solid	1311	
LB 460-782374/1-G	Method Blank	TCLP	Solid	1311	
460-235626-1 MS	WCR-13 (0-8)	TCLP	Solid	1311	
460-235744-E-1-E MS	Matrix Spike	TCLP	Solid	1311	
460-235626-1 DU	WCR-13 (0-8)	TCLP	Solid	1311	
460-235744-E-1-D DU	Duplicate	TCLP	Solid	1311	

Metals

Prep Batch: 782524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	3010A	782374
460-235626-4	WCR-14 (0-8)	TCLP	Solid	3010A	782374
460-235697-3	WC-24 (0-5)	TCLP	Solid	3010A	782374
LB 460-782374/1-D	Method Blank	TCLP	Solid	3010A	782374
LB 460-782374/1-D ^5	Method Blank	TCLP	Solid	3010A	782374
MB 460-782524/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-782524/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCS 460-782524/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235744-E-1-E MS	Matrix Spike	TCLP	Solid	3010A	782374
460-235744-E-1-D DU	Duplicate	TCLP	Solid	3010A	782374

Leach Batch: 782526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235816-A-1-F MS	Matrix Spike	TCLP	Solid	1311	
460-235816-A-1-E DU	Duplicate	TCLP	Solid	1311	

Analysis Batch: 782586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	6010D	782524
460-235626-4	WCR-14 (0-8)	TCLP	Solid	6010D	782524
460-235697-3	WC-24 (0-5)	TCLP	Solid	6010D	782524
LB 460-782374/1-D ^5	Method Blank	TCLP	Solid	6010D	782524
MB 460-782524/1-A	Method Blank	Total/NA	Solid	6010D	782524
LCS 460-782524/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	782524
460-235744-E-1-E MS	Matrix Spike	TCLP	Solid	6010D	782524
460-235744-E-1-D DU	Duplicate	TCLP	Solid	6010D	782524

Leach Batch: 782633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	1311	
460-235812-5	WC-23 (0-5)	TCLP	Solid	1311	
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	1311	
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	1311	
LB 460-782633/1-D	Method Blank	TCLP	Solid	1311	
LB 460-782633/1-F ^5	Method Blank	TCLP	Solid	1311	
LB 460-782633/1-G ^5	Method Blank	TCLP	Solid	1311	
460-235697-2 MS	WCR-15 (0-8)	TCLP	Solid	1311	
460-235697-2 DU	WCR-15 (0-8)	TCLP	Solid	1311	

Prep Batch: 782640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3050B	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3050B	
MB 460-782640/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-782640/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	3050B	
460-235626-1 DU	WCR-13 (0-8)	Total/NA	Solid	3050B	

Prep Batch: 782641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 782641 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3050B	
MB 460-782641/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-782641/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-235766-A-1-E MS	Matrix Spike	Total/NA	Solid	3050B	
460-235766-A-1-D DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 782653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7471B	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7471B	
MB 460-782653/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-782653/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-235744-D-2-E MS	Matrix Spike	Total/NA	Solid	7471B	
460-235744-D-2-D DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 782702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	6020B	782640
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	6020B	782640
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	6020B	782641
460-235697-3	WC-24 (0-5)	Total/NA	Solid	6020B	782641
MB 460-782640/1-A	Method Blank	Total/NA	Solid	6020B	782640
MB 460-782641/1-A	Method Blank	Total/NA	Solid	6020B	782641
LCSSRM 460-782640/2-A	Lab Control Sample	Total/NA	Solid	6020B	782640
LCSSRM 460-782641/2-A	Lab Control Sample	Total/NA	Solid	6020B	782641
460-235626-1 MS	WCR-13 (0-8)	Total/NA	Solid	6020B	782640
460-235766-A-1-E MS	Matrix Spike	Total/NA	Solid	6020B	782641
460-235626-1 DU	WCR-13 (0-8)	Total/NA	Solid	6020B	782640
460-235766-A-1-D DU	Duplicate	Total/NA	Solid	6020B	782641

Analysis Batch: 782721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7471B	782653
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7471B	782653
MB 460-782653/1-A	Method Blank	Total/NA	Solid	7471B	782653
LCSSRM 460-782653/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	782653
460-235744-D-2-E MS	Matrix Spike	Total/NA	Solid	7471B	782653
460-235744-D-2-D DU	Duplicate	Total/NA	Solid	7471B	782653

Prep Batch: 782754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	7470A	782374
460-235626-4	WCR-14 (0-8)	TCLP	Solid	7470A	782374
460-235697-2	WCR-15 (0-8)	TCLP	Solid	7470A	782633
460-235697-3	WC-24 (0-5)	TCLP	Solid	7470A	782374
LB 460-782374/1-G	Method Blank	TCLP	Solid	7470A	782374
LB 460-782633/1-D	Method Blank	TCLP	Solid	7470A	782633
MB 460-782754/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-782754/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-235626-1 MS	WCR-13 (0-8)	TCLP	Solid	7470A	782374
460-235626-1 DU	WCR-13 (0-8)	TCLP	Solid	7470A	782374

Metals

Analysis Batch: 782789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	6010D	782524
460-235626-4	WCR-14 (0-8)	TCLP	Solid	6010D	782524
460-235697-3	WC-24 (0-5)	TCLP	Solid	6010D	782524
MB 460-782524/1-A	Method Blank	Total/NA	Solid	6010D	782524
LCS 460-782524/2-A	Lab Control Sample	Total/NA	Solid	6010D	782524
460-235744-E-1-E MS	Matrix Spike	TCLP	Solid	6010D	782524
460-235744-E-1-D DU	Duplicate	TCLP	Solid	6010D	782524

Analysis Batch: 782794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	7470A	782754
460-235626-4	WCR-14 (0-8)	TCLP	Solid	7470A	782754
460-235697-2	WCR-15 (0-8)	TCLP	Solid	7470A	782754
460-235697-3	WC-24 (0-5)	TCLP	Solid	7470A	782754
LB 460-782374/1-G	Method Blank	TCLP	Solid	7470A	782754
LB 460-782633/1-D	Method Blank	TCLP	Solid	7470A	782754
MB 460-782754/1-A	Method Blank	Total/NA	Solid	7470A	782754
LCS 460-782754/2-A	Lab Control Sample	Total/NA	Solid	7470A	782754
460-235626-1 MS	WCR-13 (0-8)	TCLP	Solid	7470A	782754
460-235626-1 DU	WCR-13 (0-8)	TCLP	Solid	7470A	782754

Leach Batch: 782828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	1311	
460-235918-2	WC-26 (0-5)	TCLP	Solid	1311	
460-235918-4	WCR-16 (0-8)	TCLP	Solid	1311	
LB 460-782828/1-D	Method Blank	TCLP	Solid	1311	
LB 460-782828/1-F	Method Blank	TCLP	Solid	1311	
LB 460-782828/1-F ^5	Method Blank	TCLP	Solid	1311	
460-235918-1 MS	WCR-17 (0-8)	TCLP	Solid	1311	
460-235918-1 DU	WCR-17 (0-8)	TCLP	Solid	1311	

Prep Batch: 782876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7471B	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7471B	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7471B	
MB 460-782876/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-782876/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-235894-A-1-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-235894-A-1-G DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 782877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	TCLP	Solid	3010A	782633
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	3010A	782633
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	3010A	782633
LB 460-782633/1-F ^5	Method Blank	TCLP	Solid	3010A	782633
MB 460-782877/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-782877/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235816-A-1-F MS	Matrix Spike	TCLP	Solid	3010A	782526

Metals (Continued)

Prep Batch: 782877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235816-A-1-E DU	Duplicate	TCLP	Solid	3010A	782526

Analysis Batch: 782959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7471B	782876
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7471B	782876
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7471B	782876
MB 460-782876/1-A	Method Blank	Total/NA	Solid	7471B	782876
LCSSRM 460-782876/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	782876
460-235894-A-1-H MS	Matrix Spike	Total/NA	Solid	7471B	782876
460-235894-A-1-G DU	Duplicate	Total/NA	Solid	7471B	782876

Analysis Batch: 782965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	TCLP	Solid	6010D	782877
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	6010D	782877
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	6010D	782877
LB 460-782633/1-F ^5	Method Blank	TCLP	Solid	6010D	782877
MB 460-782877/1-A	Method Blank	Total/NA	Solid	6010D	782877
LCS 460-782877/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	782877
460-235816-A-1-F MS	Matrix Spike	TCLP	Solid	6010D	782877
460-235816-A-1-E DU	Duplicate	TCLP	Solid	6010D	782877

Prep Batch: 782970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782828/1-D	Method Blank	TCLP	Solid	7470A	782828
MB 460-782970/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 783040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782828/1-D	Method Blank	TCLP	Solid	7470A	782970
MB 460-782970/1-A	Method Blank	Total/NA	Solid	7470A	782970

Prep Batch: 783145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	3010A	782633
460-235918-1	WCR-17 (0-8)	TCLP	Solid	3010A	782828
460-235918-2	WC-26 (0-5)	TCLP	Solid	3010A	782828
460-235918-4	WCR-16 (0-8)	TCLP	Solid	3010A	782828
LB 460-782633/1-G ^5	Method Blank	TCLP	Solid	3010A	782633
LB 460-782828/1-F	Method Blank	TCLP	Solid	3010A	782828
LB 460-782828/1-F ^5	Method Blank	TCLP	Solid	3010A	782828
MB 460-783145/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-783145/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235697-2 MS	WCR-15 (0-8)	TCLP	Solid	3010A	782633
460-235697-2 DU	WCR-15 (0-8)	TCLP	Solid	3010A	782633

Analysis Batch: 783198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782374/1-D	Method Blank	TCLP	Solid	6010D	782524
LB 460-782828/1-F	Method Blank	TCLP	Solid	6010D	783145

Metals

Prep Batch: 783230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	TCLP	Solid	7470A	782633
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	7470A	782633
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	7470A	782633
460-235918-1	WCR-17 (0-8)	TCLP	Solid	7470A	782828
460-235918-2	WC-26 (0-5)	TCLP	Solid	7470A	782828
460-235918-4	WCR-16 (0-8)	TCLP	Solid	7470A	782828
MB 460-783230/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-783230/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-235918-1 MS	WCR-17 (0-8)	TCLP	Solid	7470A	782828
460-235918-1 DU	WCR-17 (0-8)	TCLP	Solid	7470A	782828

Analysis Batch: 783292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	TCLP	Solid	7470A	783230
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	7470A	783230
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	7470A	783230
460-235918-1	WCR-17 (0-8)	TCLP	Solid	7470A	783230
460-235918-2	WC-26 (0-5)	TCLP	Solid	7470A	783230
460-235918-4	WCR-16 (0-8)	TCLP	Solid	7470A	783230
MB 460-783230/1-A	Method Blank	Total/NA	Solid	7470A	783230
LCS 460-783230/2-A	Lab Control Sample	Total/NA	Solid	7470A	783230
460-235918-1 MS	WCR-17 (0-8)	TCLP	Solid	7470A	783230
460-235918-1 DU	WCR-17 (0-8)	TCLP	Solid	7470A	783230

Prep Batch: 783346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7471B	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7471B	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7471B	
MB 460-783346/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-783346/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-235967-A-5-I MS	Matrix Spike	Total/NA	Solid	7471B	
460-235967-A-5-H DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 783371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3050B	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3050B	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3050B	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3050B	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3050B	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3050B	
MB 460-783371/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-783371/2-A ^1	Lab Control Sample	Total/NA	Solid	3050B	
460-235894-B-1-H MS	Matrix Spike	Total/NA	Solid	3050B	
460-235894-B-1-H MS ^5	Matrix Spike	Total/NA	Solid	3050B	
460-235894-A-1-M DU	Duplicate	Total/NA	Solid	3050B	
460-235894-A-1-M DU ^5	Duplicate	Total/NA	Solid	3050B	

Metals

Analysis Batch: 783461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7471B	783346
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7471B	783346
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7471B	783346
MB 460-783346/10-A	Method Blank	Total/NA	Solid	7471B	783346
LCSSRM 460-783346/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	783346
460-235967-A-5-I MS	Matrix Spike	Total/NA	Solid	7471B	783346
460-235967-A-5-H DU	Duplicate	Total/NA	Solid	7471B	783346

Analysis Batch: 783480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	6010D	783145
460-235918-1	WCR-17 (0-8)	TCLP	Solid	6010D	783145
460-235918-2	WC-26 (0-5)	TCLP	Solid	6010D	783145
460-235918-4	WCR-16 (0-8)	TCLP	Solid	6010D	783145
LB 460-782633/1-G ^5	Method Blank	TCLP	Solid	6010D	783145
LB 460-782828/1-F ^5	Method Blank	TCLP	Solid	6010D	783145
MB 460-783145/1-A	Method Blank	Total/NA	Solid	6010D	783145
LCS 460-783145/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	783145
460-235697-2 MS	WCR-15 (0-8)	TCLP	Solid	6010D	783145
460-235697-2 DU	WCR-15 (0-8)	TCLP	Solid	6010D	783145

Analysis Batch: 783489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	6020B	783371
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	6020B	783371
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	6020B	783371
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	6020B	783371
460-235918-2	WC-26 (0-5)	Total/NA	Solid	6020B	783371
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	6020B	783371
MB 460-783371/1-A	Method Blank	Total/NA	Solid	6020B	783371
LCSSRM 460-783371/2-A ^1	Lab Control Sample	Total/NA	Solid	6020B	783371
460-235894-B-1-H MS	Matrix Spike	Total/NA	Solid	6020B	783371
460-235894-B-1-H MS ^5	Matrix Spike	Total/NA	Solid	6020B	783371
460-235894-A-1-M DU	Duplicate	Total/NA	Solid	6020B	783371
460-235894-A-1-M DU ^5	Duplicate	Total/NA	Solid	6020B	783371

General Chemistry

Prep Batch: 135483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9071B	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9071B	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9071B	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9071B	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9071B	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9071B	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9071B	
MB 410-135483/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-135483/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235697-2 MS	WCR-15 (0-8)	Total/NA	Solid	9071B	
460-235697-2 MSD	WCR-15 (0-8)	Total/NA	Solid	9071B	

General Chemistry (Continued)

Prep Batch: 135483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2 DU	WCR-15 (0-8)	Total/NA	Solid	9071B	

Analysis Batch: 135875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9071B	135483
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9071B	135483
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9071B	135483
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9071B	135483
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9071B	135483
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9071B	135483
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9071B	135483
MB 410-135483/1-A	Method Blank	Total/NA	Solid	9071B	135483
LCS 410-135483/2-A	Lab Control Sample	Total/NA	Solid	9071B	135483
460-235697-2 MS	WCR-15 (0-8)	Total/NA	Solid	9071B	135483
460-235697-2 MSD	WCR-15 (0-8)	Total/NA	Solid	9071B	135483
460-235697-2 DU	WCR-15 (0-8)	Total/NA	Solid	9071B	135483

Prep Batch: 136593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	3060A	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	3060A	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	3060A	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	3060A	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	3060A	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	3060A	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	3060A	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	3060A	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	3060A	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	3060A	
MB 410-136593/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-136593/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-136593/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-235812-6 MSI	WC-23_WC-24 (10-18)	Total/NA	Solid	3060A	
460-235812-6 MSS	WC-23_WC-24 (10-18)	Total/NA	Solid	3060A	
460-235812-6 DU	WC-23_WC-24 (10-18)	Total/NA	Solid	3060A	

Analysis Batch: 136654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7196A	136593
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7196A	136593
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7196A	136593
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7196A	136593
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7196A	136593
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7196A	136593
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7196A	136593
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7196A	136593
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7196A	136593
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7196A	136593
MB 410-136593/1-A	Method Blank	Total/NA	Solid	7196A	136593
LCS 410-136593/2-A	Lab Control Sample	Total/NA	Solid	7196A	136593
LCSI 410-136593/3-A	Lab Control Sample	Total/NA	Solid	7196A	136593

General Chemistry (Continued)

Analysis Batch: 136654 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-6 MSI	WC-23_WC-24 (10-18)	Total/NA	Solid	7196A	136593
460-235812-6 MSS	WC-23_WC-24 (10-18)	Total/NA	Solid	7196A	136593
460-235812-6 DU	WC-23_WC-24 (10-18)	Total/NA	Solid	7196A	136593

Prep Batch: 137038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9071B	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9071B	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9071B	
MB 410-137038/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-137038/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-235918-2 MS	WC-26 (0-5)	Total/NA	Solid	9071B	
460-235918-2 MSD	WC-26 (0-5)	Total/NA	Solid	9071B	
460-235918-2 DU	WC-26 (0-5)	Total/NA	Solid	9071B	

Analysis Batch: 137216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9071B	137038
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9071B	137038
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9071B	137038
MB 410-137038/1-A	Method Blank	Total/NA	Solid	9071B	137038
LCS 410-137038/2-A	Lab Control Sample	Total/NA	Solid	9071B	137038
460-235918-2 MS	WC-26 (0-5)	Total/NA	Solid	9071B	137038
460-235918-2 MSD	WC-26 (0-5)	Total/NA	Solid	9071B	137038
460-235918-2 DU	WC-26 (0-5)	Total/NA	Solid	9071B	137038

Leach Batch: 137516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	D3987-85	
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	D3987-85	
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	D3987-85	
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	D3987-85	
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	D3987-85	
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	D3987-85	
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	D3987-85	
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	D3987-85	
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	D3987-85	
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 138166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	1664A	137516
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	1664A	137516
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	1664A	137516
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	1664A	137516
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	1664A	137516
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	1664A	137516
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	1664A	137516
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	1664A	137516
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	1664A	137516
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	1664A	137516

General Chemistry (Continued)

Analysis Batch: 138166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-138166/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-138166/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-138166/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-42551-B-2 MS	Matrix Spike	Total/NA	Solid	1664A	

Leach Batch: 781412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781412/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 781413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Leach Batch: 781602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 782035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	Moisture	
460-235626-2	WCR-13C (6-8)	Total/NA	Solid	Moisture	
460-235626-3	WCR-14C (1-3)	Total/NA	Solid	Moisture	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	Moisture	
460-235623-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 782037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	SM 2540G	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	SM 2540G	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	SM 2540G	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-782037/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235474-A-1 DU	Duplicate	Total/NA	Solid	SM 2540G	

Leach Batch: 782118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	D3987-85	
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	D3987-85	
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	D3987-85	
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-235474-A-1-D MS	Matrix Spike	ASTM Leach	Solid	D3987-85	
460-235474-A-1-D MSD	Matrix Spike Duplicate	ASTM Leach	Solid	D3987-85	
460-235697-2 MS	WCR-15 (0-8)	ASTM Leach	Solid	D3987-85	
460-235697-2 MSD	WCR-15 (0-8)	ASTM Leach	Solid	D3987-85	
460-235474-A-1-D DU	Duplicate	ASTM Leach	Solid	D3987-85	

Analysis Batch: 782302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	SM 2540B	782118
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	SM 2540B	782118

General Chemistry (Continued)

Analysis Batch: 782302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	SM 2540B	782118
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	SM 2540B	782118
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	782118
MB 460-782302/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-782302/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-782302/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-235474-A-1-D DU	Duplicate	ASTM Leach	Solid	SM 2540B	782118

Analysis Batch: 782308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-1	WCR-15B (6-8)	Total/NA	Solid	Moisture	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	Moisture	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	Moisture	
460-235697-4	WC-24B (1-3)	Total/NA	Solid	Moisture	
460-235766-B-6 DU	Duplicate	Total/NA	Solid	Moisture	

Leach Batch: 782374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	TCLP	Solid	1311	
460-235626-4	WCR-14 (0-8)	TCLP	Solid	1311	
460-235697-3	WC-24 (0-5)	TCLP	Solid	1311	

Prep Batch: 782498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7.3.4	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7.3.4	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7.3.4	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7.3.4	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7.3.4	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7.3.4	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7.3.4	
MB 460-782498/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-782498/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-235288-D-1-J MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-235288-D-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 782499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7.3.3	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7.3.3	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7.3.3	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7.3.3	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7.3.3	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7.3.3	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7.3.3	
MB 460-782499/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-782499/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-235288-D-1-M DU	Duplicate	Total/NA	Solid	7.3.3	

General Chemistry

Analysis Batch: 782501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9034	782498
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9034	782498
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9034	782498
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9034	782498
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9034	782498
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9034	782498
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9034	782498
MB 460-782498/1-A	Method Blank	Total/NA	Solid	9034	782498
LCSSRM 460-782498/3-A	Lab Control Sample	Total/NA	Solid	9034	782498
460-235288-D-1-J MS	Matrix Spike	Total/NA	Solid	9034	782498
460-235288-D-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	782498

Analysis Batch: 782502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9014	782499
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9014	782499
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9014	782499
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9014	782499
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9014	782499
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9014	782499
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9014	782499
MB 460-782499/1-A	Method Blank	Total/NA	Solid	9014	782499
LCS 460-782499/2-A	Lab Control Sample	Total/NA	Solid	9014	782499
460-235288-D-1-M DU	Duplicate	Total/NA	Solid	9014	782499

Leach Batch: 782528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-782528/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 782558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9012B	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9012B	
MB 460-782558/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-782558/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235120-A-3-D MS	Matrix Spike	Total/NA	Solid	9012B	
460-235120-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Leach Batch: 782585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	D3987-85	
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	D3987-85	
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	D3987-85	
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	D3987-85	
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	D3987-85	
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	D3987-85	
LB 460-782585/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 782622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	4500 NH3 H	782118

General Chemistry (Continued)

Analysis Batch: 782622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	4500 NH3 H	782118
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	4500 NH3 H	782118
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	4500 NH3 H	782118
LB 460-781412/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781412
LB 460-781413/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781413
LB 460-781602/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	781602
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	782118
LB 460-782528/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	782528
MB 460-782622/73	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-782622/74	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-782622/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-235697-2 MS	WCR-15 (0-8)	ASTM Leach	Solid	4500 NH3 H	782118
460-235697-2 MSD	WCR-15 (0-8)	ASTM Leach	Solid	4500 NH3 H	782118

Leach Batch: 782633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	TCLP	Solid	1311	
460-235812-5	WC-23 (0-5)	TCLP	Solid	1311	
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	1311	
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	1311	

Analysis Batch: 782700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	SM 2540G	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	SM 2540G	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	SM 2540G	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	SM 2540G	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	SM 2540G	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	SM 2540G	
MB 460-782700/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235918-2 DU	WC-26 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 782709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	SM 2540B	782585
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	SM 2540B	782585
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	SM 2540B	782585
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	SM 2540B	782585
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	SM 2540B	782585
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	SM 2540B	782585
LB 460-782585/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	782585
MB 460-782709/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-782709/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-782709/3	Lab Control Sample	Total/NA	Solid	SM 2540B	

Analysis Batch: 782737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-1	WC-23C (13-15)	Total/NA	Solid	Moisture	
460-235812-2	WC-23A (6-8)	Total/NA	Solid	Moisture	
460-235812-3	WCR-17B (1-3)	Total/NA	Solid	Moisture	
460-235812-4	WC-23D (1-3)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 782737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	Total/NA	Solid	Moisture	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	Moisture	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	Moisture	
460-235812-4 DU	WC-23D (1-3)	Total/NA	Solid	Moisture	

Analysis Batch: 782772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9012B	782558
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9012B	782558
MB 460-782558/1-A	Method Blank	Total/NA	Solid	9012B	782558
LCSSRM 460-782558/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	782558
460-235120-A-3-D MS	Matrix Spike	Total/NA	Solid	9012B	782558
460-235120-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	782558

Leach Batch: 782828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	TCLP	Solid	1311	
460-235918-2	WC-26 (0-5)	TCLP	Solid	1311	
460-235918-4	WCR-16 (0-8)	TCLP	Solid	1311	

Analysis Batch: 782904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	7196A	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	7196A	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	7196A	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	7196A	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	7196A	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	7196A	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	7196A	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7196A	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7196A	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7196A	

Analysis Batch: 782972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	Moisture	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	Moisture	
460-235918-3	WC-26C (1-3)	Total/NA	Solid	Moisture	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	Moisture	
460-235918-5	WCR-16B (3-5)	Total/NA	Solid	Moisture	
460-235902-G-3 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 782994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	1030	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	1030	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	1030	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	1030	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	1030	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	1030	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	1030	

General Chemistry (Continued)

Analysis Batch: 782994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1 DU	WCR-13 (0-8)	Total/NA	Solid	1030	

Analysis Batch: 783195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9095B	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9095B	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9095B	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9095B	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9095B	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9095B	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9095B	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9095B	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9095B	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9095B	
460-235474-A-1 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 783214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	1030	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	1030	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	1030	
460-235497-A-1 DU	Duplicate	Total/NA	Solid	1030	

Prep Batch: 783265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7.3.4	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7.3.4	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7.3.4	
MB 460-783265/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-783265/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-235497-A-1-S MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-235497-A-1-T MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 783269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	7.3.3	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	7.3.3	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	7.3.3	
MB 460-783269/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-783269/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-235497-A-1-V DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 783270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9034	783265
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9034	783265
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9034	783265
MB 460-783265/1-A	Method Blank	Total/NA	Solid	9034	783265
LCSSRM 460-783265/3-A	Lab Control Sample	Total/NA	Solid	9034	783265
460-235497-A-1-S MS	Matrix Spike	Total/NA	Solid	9034	783265
460-235497-A-1-T MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	783265

General Chemistry

Analysis Batch: 783277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9014	783269
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9014	783269
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9014	783269
MB 460-783269/1-A	Method Blank	Total/NA	Solid	9014	783269
LCS 460-783269/2-A	Lab Control Sample	Total/NA	Solid	9014	783269
460-235497-A-1-V DU	Duplicate	Total/NA	Solid	9014	783269

Prep Batch: 783320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9012B	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9012B	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9012B	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9012B	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9012B	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9012B	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9012B	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9012B	
MB 460-783320/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-783320/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235894-A-1-J MS	Matrix Spike	Total/NA	Solid	9012B	
460-235894-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	
460-235993-E-5-G MS	Matrix Spike	Total/NA	Solid	9012B	
460-235993-E-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Leach Batch: 783429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Soluble	Solid	DI Leach	
460-235626-4	WCR-14 (0-8)	Soluble	Solid	DI Leach	
460-235697-2	WCR-15 (0-8)	Soluble	Solid	DI Leach	
460-235697-3	WC-24 (0-5)	Soluble	Solid	DI Leach	
460-235812-5	WC-23 (0-5)	Soluble	Solid	DI Leach	
460-235812-6	WC-23_WC-24 (10-18)	Soluble	Solid	DI Leach	
460-235812-7	WC-23_WC-24 (5-10)	Soluble	Solid	DI Leach	
460-235918-1	WCR-17 (0-8)	Soluble	Solid	DI Leach	
460-235918-2	WC-26 (0-5)	Soluble	Solid	DI Leach	
460-235918-4	WCR-16 (0-8)	Soluble	Solid	DI Leach	

Analysis Batch: 783430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Soluble	Solid	9040C	783429
460-235626-1	WCR-13 (0-8)	TCLP	Solid	9040C	782374
460-235626-4	WCR-14 (0-8)	Soluble	Solid	9040C	783429
460-235626-4	WCR-14 (0-8)	TCLP	Solid	9040C	782374
460-235697-2	WCR-15 (0-8)	Soluble	Solid	9040C	783429
460-235697-2	WCR-15 (0-8)	TCLP	Solid	9040C	782633
460-235697-3	WC-24 (0-5)	Soluble	Solid	9040C	783429
460-235697-3	WC-24 (0-5)	TCLP	Solid	9040C	782374
460-235812-5	WC-23 (0-5)	Soluble	Solid	9040C	783429
460-235812-5	WC-23 (0-5)	TCLP	Solid	9040C	782633
460-235812-6	WC-23_WC-24 (10-18)	Soluble	Solid	9040C	783429
460-235812-6	WC-23_WC-24 (10-18)	TCLP	Solid	9040C	782633

General Chemistry (Continued)

Analysis Batch: 783430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-7	WC-23_WC-24 (5-10)	Soluble	Solid	9040C	783429
460-235812-7	WC-23_WC-24 (5-10)	TCLP	Solid	9040C	782633
460-235918-1	WCR-17 (0-8)	Soluble	Solid	9040C	783429
460-235918-1	WCR-17 (0-8)	TCLP	Solid	9040C	782828
460-235918-2	WC-26 (0-5)	Soluble	Solid	9040C	783429
460-235918-2	WC-26 (0-5)	TCLP	Solid	9040C	782828
460-235918-4	WCR-16 (0-8)	Soluble	Solid	9040C	783429
460-235918-4	WCR-16 (0-8)	TCLP	Solid	9040C	782828

Analysis Batch: 783500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	Total/NA	Solid	9045D	
460-235626-4	WCR-14 (0-8)	Total/NA	Solid	9045D	
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9045D	
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9045D	
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9045D	
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9045D	
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9045D	
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9045D	
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9045D	
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9045D	
MB 460-783500/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-783500/3	Lab Control Sample	Total/NA	Solid	9045D	
460-235369-A-1 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 783505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235697-2	WCR-15 (0-8)	Total/NA	Solid	9012B	783320
460-235697-3	WC-24 (0-5)	Total/NA	Solid	9012B	783320
460-235812-5	WC-23 (0-5)	Total/NA	Solid	9012B	783320
460-235812-6	WC-23_WC-24 (10-18)	Total/NA	Solid	9012B	783320
460-235812-7	WC-23_WC-24 (5-10)	Total/NA	Solid	9012B	783320
460-235918-1	WCR-17 (0-8)	Total/NA	Solid	9012B	783320
460-235918-2	WC-26 (0-5)	Total/NA	Solid	9012B	783320
460-235918-4	WCR-16 (0-8)	Total/NA	Solid	9012B	783320
MB 460-783320/1-A	Method Blank	Total/NA	Solid	9012B	783320
LCSSRM 460-783320/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	783320
460-235894-A-1-J MS	Matrix Spike	Total/NA	Solid	9012B	783320
460-235894-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	783320
460-235993-E-5-G MS	Matrix Spike	Total/NA	Solid	9012B	783320
460-235993-E-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	783320

Analysis Batch: 784127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	4500 NH3 H	782585
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	4500 NH3 H	782585
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	4500 NH3 H	782585
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	4500 NH3 H	782585
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	4500 NH3 H	782585
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	4500 NH3 H	782585
LB 460-782585/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	782585

General Chemistry (Continued)

Analysis Batch: 784127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-784127/220	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-784127/219	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-784127/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-235815-J-7 MS	Matrix Spike	Total/NA	Solid	4500 NH3 H	
460-235815-J-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	4500 NH3 H	

Analysis Batch: 784204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235626-1	WCR-13 (0-8)	ASTM Leach	Solid	410.4	782118
460-235626-4	WCR-14 (0-8)	ASTM Leach	Solid	410.4	782118
460-235697-2	WCR-15 (0-8)	ASTM Leach	Solid	410.4	782118
460-235697-3	WC-24 (0-5)	ASTM Leach	Solid	410.4	782118
460-235812-5	WC-23 (0-5)	ASTM Leach	Solid	410.4	782585
460-235812-6	WC-23_WC-24 (10-18)	ASTM Leach	Solid	410.4	782585
460-235812-7	WC-23_WC-24 (5-10)	ASTM Leach	Solid	410.4	782585
460-235918-1	WCR-17 (0-8)	ASTM Leach	Solid	410.4	782585
460-235918-2	WC-26 (0-5)	ASTM Leach	Solid	410.4	782585
460-235918-4	WCR-16 (0-8)	ASTM Leach	Solid	410.4	782585
LB 460-782118/1-A	Method Blank	ASTM Leach	Solid	410.4	782118
LB 460-782585/1-A	Method Blank	ASTM Leach	Solid	410.4	782585
MB 460-784204/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-784204/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-784204/3	Lab Control Sample	Total/NA	Solid	410.4	
460-235474-A-1-D MS	Matrix Spike	ASTM Leach	Solid	410.4	782118
460-235474-A-1-D MSD	Matrix Spike Duplicate	ASTM Leach	Solid	410.4	782118

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-13 (0-8)

Date Collected: 06/01/21 11:10
Date Received: 06/01/21 18:30

Lab Sample ID: 460-235626-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782553	06/06/21 07:08	DXD	TAL EDI
TCLP	Analysis	8270E		1	782611	06/06/21 21:50	YAH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782464	06/05/21 13:12	ATF	TAL EDI
TCLP	Analysis	8081B		1	782647	06/07/21 10:18	FAM	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782588	06/06/21 14:47	ATF	TAL EDI
TCLP	Analysis	8151A		1	782733	06/07/21 14:03	SAK	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782586	06/06/21 19:09	CDC	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782789	06/07/21 16:02	YZH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782754	06/07/21 13:52	RBS	TAL EDI
TCLP	Analysis	7470A		1	782794	06/07/21 14:51	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:04	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/04/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/04/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:27	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782035	06/03/21 13:19	AA	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782302	06/04/21 14:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782037	06/03/21 13:23	PLS	TAL EDI

Client Sample ID: WCR-13 (0-8)

Lab Sample ID: 460-235626-1

Date Collected: 06/01/21 11:10
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781877	06/02/21 18:04	GXY	TAL EDI
Total/NA	Analysis	8270E		1	781858	06/03/21 08:31	MME	TAL EDI
Total/NA	Prep	3546			781873	06/02/21 17:47	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781922	06/03/21 12:23	FAM	TAL EDI
Total/NA	Prep	3546			781872	06/02/21 17:43	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781986	06/03/21 14:26	DXB	TAL EDI
Total/NA	Prep	8151A			782393	06/04/21 23:52	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782901	06/08/21 10:41	SAK	TAL EDI
Total/NA	Prep	3546			782005	06/03/21 10:00	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782199	06/04/21 11:36	KMH	TAL EDI
Total/NA	Prep	3050B			782640	06/07/21 02:50	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782702	06/07/21 20:37	MDC	TAL EDI
Total/NA	Prep	7471B			782172	06/04/21 04:50	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 09:43	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			782558	06/06/21 10:21	VBG	TAL EDI
Total/NA	Analysis	9012B		1	782772	06/07/21 15:46	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-13C (6-8)

Lab Sample ID: 460-235626-2

Date Collected: 06/01/21 11:00
Matrix: Solid
Date Received: 06/01/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782671	06/07/21 12:40	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	782035	06/03/21 13:19	AA	TAL EDI

Client Sample ID: WCR-13C (6-8)

Lab Sample ID: 460-235626-2

Date Collected: 06/01/21 11:00
Matrix: Solid
Date Received: 06/01/21 18:30
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781840	06/02/21 16:24	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782409	06/05/21 14:22	AAT	TAL EDI

Client Sample ID: WCR-14C (1-3)

Lab Sample ID: 460-235626-3

Date Collected: 06/01/21 11:15
Matrix: Solid
Date Received: 06/01/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782671	06/07/21 13:06	CJM	TAL EDI

Client Sample ID: WCR-14C (1-3)

Lab Sample ID: 460-235626-3

Date Collected: 06/01/21 11:15

Matrix: Solid

Date Received: 06/01/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	782035	06/03/21 13:19	AA	TAL EDI

Client Sample ID: WCR-14C (1-3)

Lab Sample ID: 460-235626-3

Date Collected: 06/01/21 11:15

Matrix: Solid

Date Received: 06/01/21 18:30

Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781840	06/02/21 16:25	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782409	06/05/21 14:46	AAT	TAL EDI

Client Sample ID: WCR-14 (0-8)

Lab Sample ID: 460-235626-4

Date Collected: 06/01/21 11:20

Matrix: Solid

Date Received: 06/01/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782553	06/06/21 07:08	DXD	TAL EDI
TCLP	Analysis	8270E		1	782611	06/06/21 22:11	YAH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782464	06/05/21 13:12	ATF	TAL EDI
TCLP	Analysis	8081B		1	782647	06/07/21 10:34	FAM	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782588	06/06/21 14:47	ATF	TAL EDI
TCLP	Analysis	8151A		1	782733	06/07/21 14:17	SAK	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782586	06/06/21 19:21	CDC	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782789	06/07/21 15:58	YZH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782754	06/07/21 13:52	RBS	TAL EDI
TCLP	Analysis	7470A		1	782794	06/07/21 15:26	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:05	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI

Client Sample ID: WCR-14 (0-8)

Lab Sample ID: 460-235626-4

Date Collected: 06/01/21 11:20

Matrix: Solid

Date Received: 06/01/21 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			783429	06/04/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/04/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:28	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782035	06/03/21 13:19	AA	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782302	06/04/21 14:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782037	06/03/21 13:23	PLS	TAL EDI

Client Sample ID: WCR-14 (0-8)

Lab Sample ID: 460-235626-4

Date Collected: 06/01/21 11:20

Matrix: Solid

Date Received: 06/01/21 18:30

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			781877	06/02/21 18:04	GXY	TAL EDI
Total/NA	Analysis	8270E		1	781858	06/03/21 08:49	MME	TAL EDI
Total/NA	Prep	3546			781873	06/02/21 17:47	ARA	TAL EDI
Total/NA	Analysis	8081B		1	781922	06/03/21 12:35	FAM	TAL EDI
Total/NA	Prep	3546			781872	06/02/21 17:43	ARA	TAL EDI
Total/NA	Analysis	8082A		1	781986	06/03/21 14:09	DXB	TAL EDI
Total/NA	Prep	8151A			782393	06/04/21 23:52	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782901	06/08/21 10:56	SAK	TAL EDI
Total/NA	Prep	3546			782005	06/03/21 10:00	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782199	06/04/21 11:50	KMH	TAL EDI
Total/NA	Prep	3050B			782640	06/07/21 02:50	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782702	06/07/21 20:58	MDC	TAL EDI
Total/NA	Prep	7471B			782172	06/04/21 04:50	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782256	06/04/21 09:55	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			782558	06/06/21 10:21	VBG	TAL EDI
Total/NA	Analysis	9012B		1	782772	06/07/21 15:47	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WCR-15B (6-8)

Lab Sample ID: 460-235697-1

Date Collected: 06/02/21 09:35

Matrix: Solid

Date Received: 06/02/21 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782671	06/07/21 13:32	CJM	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-15B (6-8)
Date Collected: 06/02/21 09:35
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	782308	06/04/21 15:12	MMC	TAL EDI

Client Sample ID: WCR-15B (6-8)
Date Collected: 06/02/21 09:35
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-1
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781912	06/02/21 23:40	AVM	TAL EDI
Total/NA	Analysis	8260D		1	782319	06/05/21 01:29	AAT	TAL EDI

Client Sample ID: WCR-15 (0-8)
Date Collected: 06/02/21 09:30
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782712	06/07/21 09:48	OTS	TAL EDI
TCLP	Analysis	8270E		1	782849	06/08/21 04:17	MME	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782716	06/07/21 09:58	OTS	TAL EDI
TCLP	Analysis	8081B		1	782865	06/08/21 07:30	FAM	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782853	06/07/21 23:52	AFR	TAL EDI
TCLP	Analysis	8151A		1	782900	06/08/21 12:03	SAK	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783145	06/09/21 06:57	GMC	TAL EDI
TCLP	Analysis	6010D		5	783480	06/10/21 14:11	CDC	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782754	06/07/21 13:52	RBS	TAL EDI
TCLP	Analysis	7470A		1	782794	06/07/21 15:28	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 16:58	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/05/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI

Client Sample ID: WCR-15 (0-8)

Lab Sample ID: 460-235697-2

Date Collected: 06/02/21 09:30

Matrix: Solid

Date Received: 06/02/21 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:32	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782308	06/04/21 15:12	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782302	06/04/21 14:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782037	06/03/21 13:23	PLS	TAL EDI

Client Sample ID: WCR-15 (0-8)

Lab Sample ID: 460-235697-2

Date Collected: 06/02/21 09:30

Matrix: Solid

Date Received: 06/02/21 18:40

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782252	06/04/21 10:16	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	782355	06/05/21 01:46	YAH	TAL EDI
Total/NA	Prep	3546			782095	06/03/21 17:56	ARA	TAL EDI
Total/NA	Analysis	8081B		1	782155	06/04/21 08:15	FAM	TAL EDI
Total/NA	Prep	3546			782091	06/03/21 17:51	ARA	TAL EDI
Total/NA	Analysis	8082A		1	782237	06/04/21 13:59	DXB	TAL EDI
Total/NA	Prep	8151A			782393	06/04/21 23:52	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782901	06/08/21 12:09	SAK	TAL EDI
Total/NA	Prep	3546			782005	06/03/21 10:00	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782199	06/04/21 12:03	KMH	TAL EDI
Total/NA	Prep	3050B			782641	06/07/21 02:54	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782702	06/07/21 23:10	MDC	TAL EDI
Total/NA	Prep	7471B			782653	06/07/21 03:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782721	06/07/21 09:01	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:06	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WC-24 (0-5)

Lab Sample ID: 460-235697-3

Date Collected: 06/02/21 12:00

Matrix: Solid

Date Received: 06/02/21 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782553	06/06/21 07:08	DXD	TAL EDI
TCLP	Analysis	8270E		1	782611	06/06/21 22:33	YAH	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WC-24 (0-5)

Date Collected: 06/02/21 12:00
Date Received: 06/02/21 18:40

Lab Sample ID: 460-235697-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782464	06/05/21 13:12	ATF	TAL EDI
TCLP	Analysis	8081B		1	782647	06/07/21 10:50	FAM	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782588	06/06/21 14:47	ATF	TAL EDI
TCLP	Analysis	8151A		1	782733	06/07/21 14:30	SAK	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782586	06/06/21 19:05	CDC	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782524	06/05/21 17:15	GAE	TAL EDI
TCLP	Analysis	6010D		5	782789	06/07/21 16:06	YZH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			782754	06/07/21 13:52	RBS	TAL EDI
TCLP	Analysis	7470A		1	782794	06/07/21 15:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	782622	06/06/21 17:17	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/04/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/04/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782374	06/04/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:34	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782308	06/04/21 15:12	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782118	06/03/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782302	06/04/21 14:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782037	06/03/21 13:23	PLS	TAL EDI

Client Sample ID: WC-24 (0-5)

Lab Sample ID: 460-235697-3

Date Collected: 06/02/21 12:00
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782252	06/04/21 10:16	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	782355	06/05/21 05:30	YAH	TAL EDI
Total/NA	Prep	3546			782095	06/03/21 17:56	ARA	TAL EDI
Total/NA	Analysis	8081B		5	782161	06/04/21 09:06	FAM	TAL EDI
Total/NA	Prep	3546			782091	06/03/21 17:51	ARA	TAL EDI
Total/NA	Analysis	8082A		2	782237	06/04/21 15:07	DXB	TAL EDI
Total/NA	Prep	8151A			782393	06/04/21 23:52	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782901	06/08/21 12:24	SAK	TAL EDI
Total/NA	Prep	3546			782005	06/03/21 10:00	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782199	06/04/21 12:17	KMH	TAL EDI
Total/NA	Prep	3050B			782641	06/07/21 02:54	GMC	TAL EDI
Total/NA	Analysis	6020B		1	782702	06/07/21 23:17	MDC	TAL EDI
Total/NA	Prep	7471B			782653	06/07/21 03:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782721	06/07/21 09:03	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:07	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WC-24B (1-3)

Lab Sample ID: 460-235697-4

Date Collected: 06/02/21 11:50
Matrix: Solid
Date Received: 06/02/21 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			781952	06/03/21 06:05	BJB	TAL EDI
TCLP	Analysis	8260D		10	782671	06/07/21 13:58	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	782308	06/04/21 15:12	MMC	TAL EDI

Client Sample ID: WC-24B (1-3)

Lab Sample ID: 460-235697-4

Date Collected: 06/02/21 11:50
Matrix: Solid
Date Received: 06/02/21 18:40
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			781912	06/02/21 23:41	AVM	TAL EDI
Total/NA	Analysis	8260D		1	782319	06/05/21 01:52	AAT	TAL EDI

Client Sample ID: WC-23C (13-15)

Lab Sample ID: 460-235812-1

Date Collected: 06/03/21 09:10
Matrix: Solid
Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783157	06/09/21 17:19	MZS	TAL EDI

Client Sample ID: WC-23C (13-15)
Date Collected: 06/03/21 09:10
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI

Client Sample ID: WC-23C (13-15)
Date Collected: 06/03/21 09:10
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-1
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782273	06/04/21 10:57	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782408	06/05/21 08:29	AAT	TAL EDI

Client Sample ID: WC-23A (6-8)
Date Collected: 06/03/21 09:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783157	06/09/21 17:45	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI

Client Sample ID: WC-23A (6-8)
Date Collected: 06/03/21 09:00
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-2
Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782273	06/04/21 10:59	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782408	06/05/21 08:52	AAT	TAL EDI

Client Sample ID: WCR-17B (1-3)
Date Collected: 06/03/21 13:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783157	06/09/21 18:11	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI

Client Sample ID: WCR-17B (1-3)
Date Collected: 06/03/21 13:30
Date Received: 06/03/21 18:00

Lab Sample ID: 460-235812-3
Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782273	06/04/21 11:01	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782408	06/05/21 09:16	AAT	TAL EDI

Client Sample ID: WC-23D (1-3)

Lab Sample ID: 460-235812-4

Date Collected: 06/03/21 12:10

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783157	06/09/21 18:37	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI

Client Sample ID: WC-23D (1-3)

Lab Sample ID: 460-235812-4

Date Collected: 06/03/21 12:10

Matrix: Solid

Date Received: 06/03/21 18:00

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782273	06/04/21 11:03	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782408	06/05/21 09:39	AAT	TAL EDI

Client Sample ID: WC-23 (0-5)

Lab Sample ID: 460-235812-5

Date Collected: 06/03/21 12:00

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782712	06/07/21 09:48	OTS	TAL EDI
TCLP	Analysis	8270E		1	782849	06/08/21 04:38	MME	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782716	06/07/21 09:58	OTS	TAL EDI
TCLP	Analysis	8081B		1	782865	06/08/21 07:46	FAM	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782853	06/07/21 23:52	AFR	TAL EDI
TCLP	Analysis	8151A		1	782900	06/08/21 12:16	SAK	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782877	06/08/21 04:59	GMC	TAL EDI
TCLP	Analysis	6010D		5	782965	06/08/21 17:08	CDC	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:18	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:50	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI

Client Sample ID: WC-23 (0-5)

Lab Sample ID: 460-235812-5

Date Collected: 06/03/21 12:00

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			783429	06/05/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:35	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 09:15	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WC-23 (0-5)

Lab Sample ID: 460-235812-5

Date Collected: 06/03/21 12:00

Matrix: Solid

Date Received: 06/03/21 18:00

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782381	06/04/21 20:42	JMS	TAL EDI
Total/NA	Analysis	8270E		1	782483	06/05/21 22:19	YAH	TAL EDI
Total/NA	Prep	3546			782510	06/05/21 16:30	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782870	06/08/21 07:50	FAM	TAL EDI
Total/NA	Prep	3546			782504	06/05/21 16:22	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	782706	06/07/21 12:17	DXB	TAL EDI
Total/NA	Prep	8151A			782394	06/04/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782733	06/07/21 18:37	SAK	TAL EDI
Total/NA	Prep	3546			782731	06/07/21 12:13	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782914	06/08/21 12:43	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 13:55	DLE	TAL EDI
Total/NA	Prep	7471B			783346	06/10/21 03:08	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 07:08	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:08	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WC-23_WC-24 (10-18)

Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782712	06/07/21 09:48	OTS	TAL EDI
TCLP	Analysis	8270E		1	782849	06/08/21 04:59	MME	TAL EDI

Client Sample ID: WC-23_WC-24 (10-18)

Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782716	06/07/21 09:58	OTS	TAL EDI
TCLP	Analysis	8081B		1	782865	06/08/21 08:02	FAM	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782853	06/07/21 23:52	AFR	TAL EDI
TCLP	Analysis	8151A		1	782900	06/08/21 12:30	SAK	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782877	06/08/21 04:59	GMC	TAL EDI
TCLP	Analysis	6010D		5	782965	06/08/21 17:12	CDC	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:19	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:52	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/05/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/05/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:36	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 09:15	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WC-23_WC-24 (10-18)

Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45

Matrix: Solid

Date Received: 06/03/21 18:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782381	06/04/21 20:42	JMS	TAL EDI
Total/NA	Analysis	8270E		1	782483	06/05/21 22:36	YAH	TAL EDI
Total/NA	Prep	3546			782510	06/05/21 16:30	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782870	06/08/21 08:04	FAM	TAL EDI

Client Sample ID: WC-23_WC-24 (10-18)

Lab Sample ID: 460-235812-6

Date Collected: 06/03/21 09:45
Matrix: Solid
Date Received: 06/03/21 18:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782504	06/05/21 16:22	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	782706	06/07/21 12:33	DXB	TAL EDI
Total/NA	Prep	8151A			782394	06/04/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782733	06/07/21 18:51	SAK	TAL EDI
Total/NA	Prep	3546			782731	06/07/21 12:13	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782914	06/08/21 12:57	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 13:57	DLE	TAL EDI
Total/NA	Prep	7471B			783346	06/10/21 03:08	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 07:10	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:09	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Client Sample ID: WC-23_WC-24 (5-10)

Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30
Matrix: Solid
Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782712	06/07/21 09:48	OTS	TAL EDI
TCLP	Analysis	8270E		1	782849	06/08/21 05:19	MME	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			782716	06/07/21 09:58	OTS	TAL EDI
TCLP	Analysis	8081B		1	782865	06/08/21 08:18	FAM	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			782853	06/07/21 23:52	AFR	TAL EDI
TCLP	Analysis	8151A		1	782900	06/08/21 12:44	SAK	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			782877	06/08/21 04:59	GMC	TAL EDI
TCLP	Analysis	6010D		5	782965	06/08/21 17:16	CDC	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:21	RBS	TAL EDI
Total/NA	Analysis	1030		1	782994	06/08/21 14:40	YXG	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:54	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI

Client Sample ID: WC-23_WC-24 (5-10)

Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30

Matrix: Solid

Date Received: 06/03/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.3			782499	06/05/21 16:13	YAH	TAL EDI
Total/NA	Analysis	9014		1	782502	06/05/21 16:18	YAH	TAL EDI
Total/NA	Prep	7.3.4			782498	06/05/21 16:10	YAH	TAL EDI
Total/NA	Analysis	9034		1	782501	06/05/21 16:16	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/05/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/06/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782633	06/06/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:38	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782737	06/07/21 13:05	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 09:15	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WC-23_WC-24 (5-10)

Lab Sample ID: 460-235812-7

Date Collected: 06/03/21 09:30

Matrix: Solid

Date Received: 06/03/21 18:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782381	06/04/21 20:42	JMS	TAL EDI
Total/NA	Analysis	8270E		1	782483	06/05/21 22:53	YAH	TAL EDI
Total/NA	Prep	3546			782510	06/05/21 16:30	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782870	06/08/21 08:19	FAM	TAL EDI
Total/NA	Prep	3546			782504	06/05/21 16:22	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	782706	06/07/21 12:50	DXB	TAL EDI
Total/NA	Prep	8151A			782394	06/04/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8151A		1	782733	06/07/21 19:18	SAK	TAL EDI
Total/NA	Prep	3546			782731	06/07/21 12:13	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782914	06/08/21 13:10	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 13:59	DLE	TAL EDI
Total/NA	Prep	7471B			783346	06/10/21 03:08	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 07:12	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:10	RAK	TAL EDI
Total/NA	Prep	9071B			135483	06/08/21 19:45	QT6L	ELLE
Total/NA	Analysis	9071B		1	135875	06/09/21 12:42	UYB0	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-17 (0-8)

Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Lab Sample ID: 460-235918-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782951	06/08/21 10:19	OTS	TAL EDI
TCLP	Analysis	8270E		1	783039	06/08/21 23:31	MME	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782953	06/08/21 10:24	OTS	TAL EDI
TCLP	Analysis	8081B		1	783114	06/09/21 12:05	FAM	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	8151A			782992	06/08/21 14:45	ATF	TAL EDI
TCLP	Analysis	8151A		1	783143	06/09/21 07:53	SAK	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3010A			783145	06/09/21 06:57	GMC	TAL EDI
TCLP	Analysis	6010D		5	783480	06/10/21 14:24	CDC	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:04	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:55	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:55	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			783269	06/09/21 16:24	YAH	TAL EDI
Total/NA	Analysis	9014		1	783277	06/09/21 16:31	YAH	TAL EDI
Total/NA	Prep	7.3.4			783265	06/09/21 16:19	YAH	TAL EDI
Total/NA	Analysis	9034		1	783270	06/09/21 16:27	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/07/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	783430	06/08/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:40	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782972	06/08/21 12:47	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 09:15	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WCR-17 (0-8)

Lab Sample ID: 460-235918-1

Date Collected: 06/04/21 07:50
Date Received: 06/04/21 18:00

Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782579	06/06/21 12:41	DMS	TAL EDI
Total/NA	Analysis	8270E		1	782811	06/08/21 01:10	MME	TAL EDI
Total/NA	Prep	3546			782592	06/06/21 15:10	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782647	06/07/21 13:45	FAM	TAL EDI
Total/NA	Prep	3546			782591	06/06/21 15:07	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783164	06/09/21 10:31	DXB	TAL EDI
Total/NA	Prep	8151A			782854	06/07/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783144	06/09/21 12:46	SAK	TAL EDI
Total/NA	Prep	3546			782728	06/07/21 12:04	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782977	06/08/21 20:54	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 14:10	DLE	TAL EDI
Total/NA	Prep	7471B			782876	06/08/21 04:39	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782959	06/08/21 09:55	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:22	RAK	TAL EDI
Total/NA	Prep	9071B			137038	06/11/21 19:55	QT6L	ELLE
Total/NA	Analysis	9071B		1	137216	06/13/21 11:20	QT6L	ELLE

Client Sample ID: WC-26 (0-5)

Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Date Received: 06/04/21 18:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782951	06/08/21 10:19	OTS	TAL EDI
TCLP	Analysis	8270E		1	783039	06/09/21 00:13	MME	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782953	06/08/21 10:24	OTS	TAL EDI
TCLP	Analysis	8081B		1	783114	06/09/21 12:17	FAM	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	8151A			782992	06/08/21 14:45	ATF	TAL EDI
TCLP	Analysis	8151A		1	783143	06/09/21 08:06	SAK	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3010A			783145	06/09/21 06:57	GMC	TAL EDI
TCLP	Analysis	6010D		5	783480	06/10/21 14:28	CDC	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:25	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Matrix: Solid
Date Received: 06/04/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:57	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			783269	06/09/21 16:24	YAH	TAL EDI
Total/NA	Analysis	9014		1	783277	06/09/21 16:31	YAH	TAL EDI
Total/NA	Prep	7.3.4			783265	06/09/21 16:19	YAH	TAL EDI
Total/NA	Analysis	9034		1	783270	06/09/21 16:27	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/07/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	783430	06/08/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:41	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782972	06/08/21 12:47	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782579	06/06/21 12:41	DMS	TAL EDI
Total/NA	Analysis	8270E		1	782628	06/06/21 23:32	YAH	TAL EDI
Total/NA	Prep	3546			782592	06/06/21 15:10	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782647	06/07/21 14:01	FAM	TAL EDI
Total/NA	Prep	3546			782591	06/06/21 15:07	ZXB	TAL EDI
Total/NA	Analysis	8082A		2	783164	06/09/21 12:48	DXB	TAL EDI
Total/NA	Prep	8151A			782854	06/07/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783144	06/09/21 13:01	SAK	TAL EDI
Total/NA	Prep	3546			782728	06/07/21 12:04	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782977	06/08/21 21:08	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 14:17	DLE	TAL EDI
Total/NA	Prep	7471B			782876	06/08/21 04:39	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782959	06/08/21 09:57	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:23	RAK	TAL EDI

Client Sample ID: WC-26 (0-5)
Lab Sample ID: 460-235918-2

Date Collected: 06/04/21 10:45
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			137038	06/11/21 19:55	QT6L	ELLE
Total/NA	Analysis	9071B		1	137216	06/13/21 11:20	QT6L	ELLE

Client Sample ID: WC-26C (1-3)
Lab Sample ID: 460-235918-3

Date Collected: 06/04/21 10:10
Matrix: Solid
Date Received: 06/04/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783157	06/09/21 19:29	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	782972	06/08/21 12:47	MMC	TAL EDI

Client Sample ID: WC-26C (1-3)
Lab Sample ID: 460-235918-3

Date Collected: 06/04/21 10:10
Matrix: Solid
Date Received: 06/04/21 18:00
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782513	06/05/21 16:21	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782657	06/07/21 15:08	AAT	TAL EDI

Client Sample ID: WCR-16 (0-8)
Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15
Matrix: Solid
Date Received: 06/04/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782951	06/08/21 10:19	OTS	TAL EDI
TCLP	Analysis	8270E		1	783039	06/09/21 00:33	MME	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3510C			782953	06/08/21 10:24	OTS	TAL EDI
TCLP	Analysis	8081B		1	783114	06/09/21 12:29	FAM	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	8151A			782992	06/08/21 14:45	ATF	TAL EDI
TCLP	Analysis	8151A		1	783143	06/09/21 08:20	SAK	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	3010A			783145	06/09/21 06:57	GMC	TAL EDI
TCLP	Analysis	6010D		5	783480	06/10/21 14:40	CDC	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Prep	7470A			783230	06/09/21 14:14	RBS	TAL EDI
TCLP	Analysis	7470A		1	783292	06/09/21 16:26	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			137516	06/14/21 17:35	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	138166	06/15/21 17:25	QT6L	ELLE
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784204	06/14/21 22:00	HTV	TAL EDI

Client Sample ID: WCR-16 (0-8)

Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15

Matrix: Solid

Date Received: 06/04/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:58	DLE	TAL EDI
Total/NA	Analysis	7196A		1	782904	06/11/21 06:50	TJW	TAL EDI
Total/NA	Prep	7.3.3			783269	06/09/21 16:24	YAH	TAL EDI
Total/NA	Analysis	9014		1	783277	06/09/21 16:31	YAH	TAL EDI
Total/NA	Prep	7.3.4			783265	06/09/21 16:19	YAH	TAL EDI
Total/NA	Analysis	9034		1	783270	06/09/21 16:27	YAH	TAL EDI
Soluble	Leach	DI Leach			783429	06/07/21 09:03	YAH	TAL EDI
Soluble	Analysis	9040C		1	783430	06/07/21 13:00	YAH	TAL EDI
TCLP	Leach	1311			782828	06/07/21 16:00	YAH	TAL EDI
TCLP	Analysis	9040C		1	783430	06/08/21 13:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	783500	06/10/21 11:43	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783195	06/09/21 11:17	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	782972	06/08/21 12:47	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			782585	06/06/21 14:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	782709	06/07/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	782700	06/07/21 08:40	PLS	TAL EDI

Client Sample ID: WCR-16 (0-8)

Lab Sample ID: 460-235918-4

Date Collected: 06/04/21 11:15

Matrix: Solid

Date Received: 06/04/21 18:00

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			782579	06/06/21 12:41	DMS	TAL EDI
Total/NA	Analysis	8270E		1	782811	06/08/21 02:41	MME	TAL EDI
Total/NA	Prep	3546			782592	06/06/21 15:10	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	782647	06/07/21 14:17	FAM	TAL EDI
Total/NA	Prep	3546			782591	06/06/21 15:07	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783164	06/09/21 11:04	DXB	TAL EDI
Total/NA	Prep	8151A			782854	06/07/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783144	06/09/21 13:16	SAK	TAL EDI
Total/NA	Prep	3546			782728	06/07/21 12:04	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	782977	06/08/21 21:23	KMH	TAL EDI
Total/NA	Prep	3050B			783371	06/10/21 05:18	SXC	TAL EDI
Total/NA	Analysis	6020B		1	783489	06/10/21 14:19	DLE	TAL EDI
Total/NA	Prep	7471B			782876	06/08/21 04:39	TJS	TAL EDI
Total/NA	Analysis	7471B		1	782959	06/08/21 09:59	TJS	TAL EDI
Total/NA	Prep	3060A			136593	06/10/21 18:33	UDS7	ELLE
Total/NA	Analysis	7196A		1	136654	06/11/21 00:04	UDS7	ELLE
Total/NA	Prep	9012B			783320	06/09/21 19:03	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 14:24	RAK	TAL EDI
Total/NA	Prep	9071B			137038	06/11/21 19:55	QT6L	ELLE
Total/NA	Analysis	9071B		1	137216	06/13/21 11:20	QT6L	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Client Sample ID: WCR-16B (3-5)

Lab Sample ID: 460-235918-5

Date Collected: 06/04/21 11:20

Matrix: Solid

Date Received: 06/04/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			782517	06/05/21 16:44	BJB	TAL EDI
TCLP	Analysis	8260D		10	783311	06/10/21 03:32	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	782972	06/08/21 12:47	MMC	TAL EDI

Client Sample ID: WCR-16B (3-5)

Lab Sample ID: 460-235918-5

Date Collected: 06/04/21 11:20

Matrix: Solid

Date Received: 06/04/21 18:00

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			782513	06/05/21 16:24	YXG	TAL EDI
Total/NA	Analysis	8260D		1	782657	06/07/21 15:31	AAT	TAL EDI

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
N/A	N/A	None on record.	

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-235626-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-235626-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-235626-1	WCR-13 (0-8)	Solid	06/01/21 11:10	06/01/21 18:30
460-235626-2	WCR-13C (6-8)	Solid	06/01/21 11:00	06/01/21 18:30
460-235626-3	WCR-14C (1-3)	Solid	06/01/21 11:15	06/01/21 18:30
460-235626-4	WCR-14 (0-8)	Solid	06/01/21 11:20	06/01/21 18:30
460-235697-1	WCR-15B (6-8)	Solid	06/02/21 09:35	06/02/21 18:40
460-235697-2	WCR-15 (0-8)	Solid	06/02/21 09:30	06/02/21 18:40
460-235697-3	WC-24 (0-5)	Solid	06/02/21 12:00	06/02/21 18:40
460-235697-4	WC-24B (1-3)	Solid	06/02/21 11:50	06/02/21 18:40
460-235812-1	WC-23C (13-15)	Solid	06/03/21 09:10	06/03/21 18:00
460-235812-2	WC-23A (6-8)	Solid	06/03/21 09:00	06/03/21 18:00
460-235812-3	WCR-17B (1-3)	Solid	06/03/21 13:30	06/03/21 18:00
460-235812-4	WC-23D (1-3)	Solid	06/03/21 12:10	06/03/21 18:00
460-235812-5	WC-23 (0-5)	Solid	06/03/21 12:00	06/03/21 18:00
460-235812-6	WC-23_WC-24 (10-18)	Solid	06/03/21 09:45	06/03/21 18:00
460-235812-7	WC-23_WC-24 (5-10)	Solid	06/03/21 09:30	06/03/21 18:00
460-235918-1	WCR-17 (0-8)	Solid	06/04/21 07:50	06/04/21 18:00
460-235918-2	WC-26 (0-5)	Solid	06/04/21 10:45	06/04/21 18:00
460-235918-3	WC-26C (1-3)	Solid	06/04/21 10:10	06/04/21 18:00
460-235918-4	WCR-16 (0-8)	Solid	06/04/21 11:15	06/04/21 18:00
460-235918-5	WCR-16B (3-5)	Solid	06/04/21 11:20	06/04/21 18:00

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 23626

Address: 209 Shaffer St	Due Date Requested:	
City: Islandia	TAT Requested (days): 5 days	
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No	
Phone: 631-232-2600	PO #: 0055.0148Y002	
Email: jwills@rouxinc.com	WO #: Long Island City, NY	
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046	
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:	

460-235626 Chain of Custody

J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 8010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WCR-13 (0-8)	6-1-21	1110	C	Solid				X	X	X	X	X	X	X	X	X	X	X		1
WCR-13C (6-8)		1100	G	Solid			X													2
WCR-14C (1-3)		1115	G	Solid			X													3
WCR-14 (0-8)		1120	C	Solid				X	X	X	X	X	X	X	X	X	X	X		4
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

SHORT HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	6-1-21 15:00	ROUX	Received by:	06/01/21 15:00	TA NYC
Relinquished by:	06/01/21 17:00	TA NYC	Received by:	6/1/21 16:50	FedEx
Relinquished by:	6/1/21		Received by:	6/1/21 1830	TAAL

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:
	Cooler Temperature(s) °C and Other Remarks:

3.0/2.1 2.2/2.7 TAAL 9

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 23/626

Number of Coolers: 2 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.0 °C	2.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	3.2 °C	2.7 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 6/1/24

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 235697
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WCR-15B(6-8)	6-7-21	0935	G	Solid			X													5	1
WCR-15(0-8)		0930	C	Solid				X	X	X	X	X	X	X	X	X	X	X		3	2
WC-24(0-5)		1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X		3	3
WC-24B(1-3)	↓	1150	G	Solid			X													5	4
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

460-235697 Chain of Custody

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B** Keep SDG open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-7-21, 13:30	ROUX		06/02/21 13:30	TA NYC
2		06/02/21 17:00	TA NYC		6/2/21 16:30	TA
3		6/2/21 18:20	TA		6/2/21 1840	TAEdi

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

3.2/2.7 IR#9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 235697

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.2 °C	2.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 6/2/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 23612

Address: 209 Shafter St	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Islandia	TAT Requested (days): 5 days		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amr... S - ...ecahydrate H - As... T - ... I - Ice U - ... J - DI V - ... K - EL... W - ... L - EDA... Z - ...ecify) Other:
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No		
Phone: 631-232-2600	PO #: 0055.0148Y002		
Email: jwills@rouxinc.com	WO #: Long Island City, NY		
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046		
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:		

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500 NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WC-23C (13-15)	6/3/21	0910	G	Solid			X													5	1
WC-23A (6-8)	6/3/21	0900	G	Solid			X													5	2
WCR-17B (1-3)	6/3/21	1330	G	Solid			X													5	3
WC-23D (1-3)	6/3/21	1210	G	Solid			X													5	4
WC-23 (0-5)	6/3/21	1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	8	5
WC-23_WC-24 (10-18)	6/3/21	0945	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	8	6
WC-23_WC-24 (5-10)	6/3/21	0930	C	Solid				X	X	X	X	X	X	X	X	X	X	X	X	8	7
				Solid																	
				Solid																	
				Solid																	
				Solid																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples
☐ Return To Client ☒ Disposal By Lab

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B KEEP SIDE OPEN

Special Instructions/QC Requirements:

460-235812 Chain of Custody

Empty Kit Relinquished by:	Date:	Time:	Method of Shipme...

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kelly Mann	6-3-21, 15:00	ROUX	06/03/21	06/03/21 15:00	TA NYC
Relinquished by:	Date/Time: 06/03/21 16:30	Company	Received by:	Date/Time: 6/3/21 1600	Company CE
Relinquished by:	Date/Time: 6/3/21 1800	Company	Received by:	Date/Time: 6/3/21 1800	Company TA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 23812

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	25 ℃	20 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 6/3/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Req[redacted]		Job #: 235918
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & G ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	N	N	N	N	N	N	N	N	N	N				
WCR-17(0-8)	6/4/21	0750	C	Solid				X	X	X	X	X	X	X	X	X	X			8	1
WC-26(0-5)	6/4/21	1045	C	Solid				X	X	X	X	X	X	X	X	X	X			8	2
WC-26C(1-3)	6/4/21	1010	G	Solid			X													5	3
WCR-16(0-8)	6/4/21	1115	C	Solid				X	X	X	X	X	X	X	X	X	X			8	4
WCR-16B(3-5)	6/4/21	1120	G	Solid			X													8	5
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

460-235918 Chain of Custody

SHORT HOLD

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B keep SDG open.	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kelly Weaver 1330	6/4/21, 1530	ROUX		06/04/21 13:30	TA NYC
Relinquished by:	Date/Time: 06/04/21 16:00	Company	Received by:	Date/Time: 6/4/21 1800	Company
Relinquished by:	Date/Time: 6/4/21 1800	Company	Received by:	Date/Time: 6/4/21 1800	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

20 is req

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 235918

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	20 °C	15 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [illegible] Date: 6/4/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61761.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-235626-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/9/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WCR-13 (0-8) (460-235626-1)	6/1/21	11:10 Eastern		Solid			X	X	X	1	
WCR-14 (0-8) (460-235626-4)	6/1/21	11:20 Eastern		Solid			X	X	X	1	
WCR-15 (0-8) (460-235697-2)	6/2/21	09:30 Eastern		Solid			X	X	X	2	
WC-24 (0-5) (460-235697-3)	6/2/21	12:00 Eastern		Solid			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/3/21 16:40	Eurofins		6/3/21 16:40	ELLE
2		6/3/21 19:20	ELLE			
3					6/3/21 1982	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: B

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61801.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-235626-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/10/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WCR-17 (0-8) (460-235918-1)	6/4/21	07:50 Eastern		Solid			X	X	X	1	
WC-26 (0-5) (460-235918-2)	6/4/21	10:45 Eastern		Solid			X	X	X	1	
WC-18 (0-8) (460-235918-4)	6/4/21	11:15 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/7/21 1330	TAL	[signature]	6/7/21 16:15	ELLE
2	[signature]	6/7/21 19:17	ELLE			
3				[signature]	6/7/21 1917	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8-3.2

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235626
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235626
List Number: 2
Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/03/21 11:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235697
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235697
List Number: 2
Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/03/21 11:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235812
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235812
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/04/21 09:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235918
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-235626-1

Login Number: 235918
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/07/21 08:56 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-236042-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/1/2021 6:11:01 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

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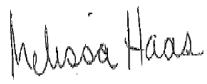
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/1/2021 6:11:01 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-236042-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-236042-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/7/2021 7:00 PM, 6/8/2021 7:00 PM, 6/9/2021 7:30 PM, 6/10/2021 8:00 PM and 6/11/2021 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.0º C, 2.0º C, 2.0º C, 2.1º C, 2.5º C and 3.1º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS

Samples WL-3A (4-6) (460-236147-1), CA-2E (0-2) (460-236396-1), WC-21D (6-8) (460-236042-2), SP-2_WC-11_VOC (460-236101-2), WL-6C (6-8) (460-236240-2), WC-21B (1-3) (460-236042-3), WL-4A (5-7) (460-236147-3), SP-4_WC-14_VOC (460-236101-4), WL-5C (5-7) (460-236240-4), SP-1_WC-8_9_10_VOC (460-236042-5), WL-1A (7-9) (460-236101-5), SP-3_WC-14_VOC (460-236042-7), SP-5_WC-17_VOC (460-236101-7), WC-22C (1-3) (460-236042-9), WL-2A (5-7) (460-236101-10), WC-21D_(15-17) (460-236042-12) and WC-25D (1-3) (460-236042-14) were analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 06/09/2021, 06/10/2021, 06/11/2021 and 06/13/2021 and analyzed on 06/10/2021, 06/11/2021, 06/12/2021, 06/15/2021 and 06/16/2021.

Surrogate recovery for the following sample was outside control limits: WC-22C (1-3) (460-236042-9). Re-analysis was performed with concurrent result. The re-analysis has been reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range: WL-4A (5-7) (460-236147-3). Elevated reporting limits (RLs) are provided.

Surrogate recovery for the following LB was outside the upper control limit: (LB 460-783590/1-A). This LB did not contain any target analytes; therefore, re-analysis was not performed.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WL-3A (4-6) (460-236147-1), CA-2E (0-2) (460-236396-1), WC-21D (6-8) (460-236042-2), SP-2_WC-11_VOC (460-236101-2), WL-6C (6-8) (460-236240-2), WC-21B (1-3) (460-236042-3), WL-4A (5-7) (460-236147-3), SP-4_WC-14_VOC (460-236101-4), WL-5C (5-7) (460-236240-4), SP-1_WC-8_9_10_VOC (460-236042-5), WL-1A (7-9) (460-236101-5), SP-3_WC-14_VOC (460-236042-7), SP-5_WC-17_VOC (460-236101-7), WC-22C (1-3) (460-236042-9), WL-2A (5-7) (460-236101-10), WC-21D_(15-17) (460-236042-12) and WC-25D (1-3) (460-236042-14) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 06/08/2021, 06/09/2021, 06/10/2021, 06/11/2021 and 06/13/2021 and analyzed on 06/09/2021, 06/10/2021, 06/11/2021, 06/13/2021, 06/15/2021 and 06/17/2021.

The continuing calibration verification (CCV) analyzed in batch 460-783126 was outside the method criteria for the following analytes: Trichlorofluoromethane and Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-783364 was outside the method criteria for the following analytes: Bromodichloromethane and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-783364 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased low in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-783905 was outside the method criteria for the following analytes: Trichlorofluoromethane and Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-784241 was outside the method criteria for the following analytes: Trichlorofluoromethane and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-784241 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 06/09/2021, 06/11/2021, 06/13/2021 and 06/15/2021, prepared on 06/10/2021, 06/13/2021, 06/14/2021 and 06/16/2021 and analyzed on 06/11/2021, 06/14/2021, 06/15/2021 and 06/17/2021.

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

Silvex (2,4,5-TP) failed the recovery criteria high for LCS 460-783581/2-A. 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria high for

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

LCS 460-784099/2-A. 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria high for LCS 460-784592/2-A. 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria high for LCSD 460-784099/3-A. 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria high for LCSD 460-784592/3-A. Refer to the QC report for details.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 06/09/2021, 06/11/2021, 06/13/2021 and 06/15/2021, prepared on 06/10/2021, 06/13/2021, 06/14/2021 and 06/16/2021 and analyzed on 06/10/2021, 06/13/2021, 06/14/2021, 06/15/2021 and 06/17/2021.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 06/09/2021, 06/11/2021 and 06/14/2021 and analyzed on 06/09/2021, 06/10/2021, 06/12/2021, 06/14/2021 and 06/15/2021.

The continuing calibration verification (CCV) analyzed in batch 460-783304 was outside the method criteria for the following analyte(s): Benzaldehyde and Benzo[a]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-783840 was outside the method criteria for the following analyte(s): Acenaphthene, Benzaldehyde and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-783923 and analytical batch 460-783960 recovered outside control limits for the following analytes: Pyridine.

Surrogate recovery for the following sample was outside the upper control limit: WL-2 (0-10) (460-236101-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) analyzed in batch 460-784132 was outside the method criteria for the following analyte(s): Benzaldehyde and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-784053 and analytical batch 460-784132 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The surrogate recovery for the blank associated with preparation batch 460-784045 and analytical batch 460-784148 was outside control limits.

The surrogate recovery for the LB associated with preparation batch 460-783982 and 460-784045 and analytical batch 460-784148 was

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

outside control limits.

The continuing calibration verification (CCV) analyzed in batch 460-784148 was outside the method criteria for the following analyte(s): Pyridine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-784045 and analytical batch 460-784148 recovered outside control limits for the following analytes: 1,4-Dichlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-784270 was outside the method criteria for the following analyte(s): 2-Nitroaniline, Acenaphthene, Pentachlorophenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: CA-2 (0-2) (460-236396-2). These results have been reported and qualified.

Several analytes failed the recovery criteria low for the MS of sample 460-236236-2 in batch 460-784132.

Several analytes failed the recovery criteria low for the MSD of sample 460-236236-2 in batch 460-784132. Hexachlorocyclopentadiene exceeded the RPD limit.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 06/09/2021, 06/11/2021, 06/13/2021 and 06/15/2021, prepared on 06/10/2021, 06/13/2021, 06/14/2021 and 06/16/2021 and analyzed on 06/11/2021, 06/15/2021 and 06/17/2021.

The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: SP-1_WC-8_9_10 (460-236042-4). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

No other difficulties were encountered during the TCLP pesticides analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 06/09/2021, 06/10/2021, 06/11/2021, 06/12/2021 and 06/14/2021 and analyzed on 06/10/2021, 06/11/2021, 06/14/2021 and 06/15/2021.

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Decachlorobiphenyl surrogate recovery for this sample was outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.SP-2_WC-11_12_13 (460-236101-1)

Endosulfan II failed the recovery criteria high for the MS of sample 460-236013-1 in batch 460-783353.

delta-BHC failed the recovery criteria low for the MS of sample 460-236152-1 in batch 460-783997.

delta-BHC failed the recovery criteria low for the MSD of sample 460-236152-1 in batch 460-783997.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/09/2021, 06/10/2021, 06/11/2021, 06/12/2021 and 06/14/2021 and analyzed on 06/10/2021, 06/11/2021, 06/14/2021 and 06/16/2021.

The following sample was diluted due to abundance of target analytes: WC-21 (0-5) (460-236042-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The following samples were diluted to bring the concentration of target analytes within the calibration range: WC-21 (0-5) (460-236042-1), WC-22 (0-5) (460-236042-8) and WC-25 (0-5) (460-236042-13) at 100.0, 100.0, 5.0, 5.0, 5.0 and 5.0. Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCVIS) for Tetrachloro-m-xylene surrogate recovered outside the lower control limit on the secondary column but within control limits on the primary column. The data have been qualified and reported. (CCVIS 460-783662/2)

Decachlorobiphenyl surrogate recovery for this sample was outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.SP-2_WC-11_12_13 (460-236101-1)

Decachlorobiphenyl surrogate recovery for this samples were outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.WL-1 (0-10) (460-236101-8) and WL-2 (0-10) (460-236101-9)

The following sample was diluted to bring the concentration of target analytes within the calibration range: SP-5_WC-16-17 (460-236101-6) at 10.0 and 10.0. Elevated reporting limits (RLs) are provided.

The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (low biased) on the confirmation column: WL-4 (0-10) (460-236147-4). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Aroclor 1016 failed the recovery criteria high for the MS of sample 460-236152-1 in batch 460-784048.

Aroclor 1016 failed the recovery criteria high for the MSD of sample WL-5 (0-10)MSD (460-236240-3) in batch 460-784047. Aroclor 1016 and Aroclor 1260 exceeded the RPD limit.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 06/09/2021, 06/10/2021, 06/11/2021, 06/13/2021 and 06/14/2021 and analyzed on 06/10/2021, 06/11/2021, 06/14/2021 and 06/15/2021.

The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: SP-1_WC-8_9_10 (460-236042-4). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

The continuing calibration verification (CCV) associated with batch 460-783382 recovered above the upper control limit for Silvex (2,4,5-TP) and 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-783382 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-783629 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batch 460-783581 and analytical batch 460-783629 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-784259 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-784099 and analytical batch 460-784259 recovered outside control limits for the following analytes: 2,4-D. These analytes were biased high in the LCS and LCSDl and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-784099 and analytical batch 460-784259 recovered outside control limits for the following analytes: many analytes. These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-784782 recovered above the upper control limit for 2,4-D and Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-784592 and analytical batch 460-784782 recovered outside control limits for the following analytes: 2,4-D and Silvex (2,4,5-TP). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-783630 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects; therefore, the data have been reported.

2,4-D failed the recovery criteria high for the MS of sample 460-236141-13 in batch 460-783696.

2,4-D failed the recovery criteria high for the MSD of sample 460-236141-13 in batch 460-783696.

2,4,5-T, 2,4-D and Silvex (2,4,5-TP) failed the recovery criteria low for the MSD of sample WL-6 (0-10)MSD (460-236240-1) in batch 460-784337. 2,4,5-T, 2,4-D and Silvex (2,4,5-TP) exceeded the RPD limit.

No other difficulties were encountered during the herbicides analysis.

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 06/09/2021, 06/10/2021, 06/11/2021 and 06/14/2021 and analyzed on 06/10/2021, 06/11/2021, 06/12/2021 and 06/15/2021.

1-Chlorooctadecane surrogate recovery for the following LCS was outside control limits (biased high); o-Terphenyl surrogate recovery is within the control limits: (LCS 460-783455/2-A). Therefore, re-extraction and/or re-analysis was not performed.

The following sample was diluted due to abundance of target analytes : WL-1 (0-10) (460-236101-8). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

o-Terphenyl surrogate recovery for the following sample was outside control limits (biased high) ; 1-Chlorooctadecane surrogate recovery is within the control limits: SP-2_WC-11_12_13 (460-236101-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for TCLP metals in accordance with 6010D. The samples were leached on 06/09/2021, 06/11/2021, 06/13/2021 and 06/15/2021, prepared on 06/10/2021, 06/12/2021, 06/15/2021 and 06/17/2021 and analyzed on 06/11/2021, 06/13/2021, 06/15/2021 and 06/17/2021.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared and analyzed on 06/17/2021.

Aluminum, Antimony, Magnesium and Potassium failed the recovery criteria low for the MS of sample SP-4_WC-14_15MS (460-236101-3) in batch 460-784824. Several analytes failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample 460-236280-14 in batch 460-784824. Several analytes failed the recovery criteria high.

Magnesium, Potassium and Thallium exceeded the RPD limit for the duplicate of sample SP-4_WC-14_15DU (460-236101-3). Selenium exceeded the RPD limit for the duplicate of sample 460-236280-14.

Job ID: 460-236042-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared on 06/14/2021 and 06/15/2021 and analyzed on 06/15/2021 and 06/16/2021.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 06/09/2021, 06/11/2021, 06/13/2021 and 06/15/2021, and prepared and analyzed on 06/10/2021, 06/14/2021 and 06/16/2021.

Mercury was detected in method blank LB 460-784374/1-E at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Mercury exceeded the RPD limit for the duplicate of sample 460-231952-3.

No other difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 06/10/2021, 06/11/2021, 06/14/2021 and 06/15/2021.

Mercury failed the recovery criteria high for the MS of sample 460-236217-1 in batch 460-784076.

Mercury failed the recovery criteria high for the MS of sample 460-236248-11 in batch 460-784314.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY

Samples WC-21 (0-5) (460-236042-1), SP-2_WC-11_12_13 (460-236101-1), WL-6 (0-10) (460-236240-1), WL-3 (0-10) (460-236147-2), CA-2 (0-2) (460-236396-2), SP-4_WC-14_15 (460-236101-3), WL-5 (0-10) (460-236240-3), SP-1_WC-8_9_10 (460-236042-4), WL-4 (0-10) (460-236147-4), SP-3_WC-14 (460-236042-6), SP-5_WC-16-17 (460-236101-6), WC-22 (0-5) (460-236042-8), WL-1 (0-10) (460-236101-8), WL-2 (0-10) (460-236101-9), WC-21_WC-22 (5-10) (460-236042-10), WC-21_WC-22 (10-18) (460-236042-11) and WC-25 (0-5) (460-236042-13) were analyzed for Ignitability in accordance with EPA SW-846 Method 1

Client Sample ID: WC-21 (0-5)
Lab Sample ID: 460-236042-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.038	J	0.36	0.0048	mg/Kg	1	☼	8270E	Total/NA
1,2,4,5-Tetrachlorobenzene	0.18	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.12	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.031	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.20	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.29	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.37		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.49		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.75		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.41		0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.26		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.12	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.064	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.42		0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.089		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.089	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.016	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.62		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.044	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Hexachlorobenzene	0.064		0.036	0.017	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.36		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.17	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.33	J	0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.56		0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	79		7.3	1.0	mg/Kg	100	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	79		7.3	1.0	mg/Kg	100	☼	8082A	Total/NA
Total EPH (C9-C40)	1600		22	22	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.48	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0086	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.13		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	6520		21.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	2.4		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	88.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.41	J	0.42	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.4		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	10100		106	18.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.0		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	116		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	25400		63.7	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	306		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4000		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	222		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.5		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1160		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.50	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.26	J	1.1	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	1610		106	16.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.42	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	37.6		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-21 (0-5) (Continued) — Lab Sample ID: 460-236042-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	142		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.22		0.018	0.0043	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	21.0		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Oil & Grease	7060		656	219	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.7				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Total Solids	201		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-21D (6-8) — Lab Sample ID: 460-236042-2

No Detections.

Client Sample ID: WC-21B (1-3) — Lab Sample ID: 460-236042-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	0.00067	J	0.0015	0.00028	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SP-1_WC-8_9_10 — Lab Sample ID: 460-236042-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.021	J	0.37	0.0050	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.082	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.054	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.72		0.37	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.71		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2.4		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	2.3		0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	3.9		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.86		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.7		0.037	0.0074	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.076	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.12	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	2.3		0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.31		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.072	J	0.37	0.0053	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.033	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.8		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.069	J	0.37	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.1		0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.13	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.58		0.37	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.6		0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.0095		0.0076	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.13		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.13		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	290		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.68	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0035	J	0.020	0.0016	mg/L	5		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-1_WC-8_9_10 (Continued) — Lab Sample ID: 460-236042-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.12		0.050	0.012	mg/L	5		6010D	TCLP
Selenium	0.041	J	0.10	0.029	mg/L	5		6010D	TCLP
Aluminum	4500		22.0	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.68	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	183		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4590		110	18.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.6		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.3		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	75.7		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	12300		66.0	22.2	mg/Kg	1	☼	6020B	Total/NA
Lead	148		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2340		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	215		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.4		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	734		110	12.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.60	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	1.1	0.098	mg/Kg	1	☼	6020B	Total/NA
Sodium	135		110	17.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.089	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.5		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	119		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.12		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.3	HF			SU	1		9045D	Total/NA
Corrosivity	8.3	HF			SU	1		9045D	Total/NA
Oil & Grease	229	J	670	223	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Total Solids	86.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: SP-1_WC-8_9_10_VOC — Lab Sample ID: 460-236042-5

No Detections.

Client Sample ID: SP-3_WC-14 — Lab Sample ID: 460-236042-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total EPH (C9-C40)	45		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.29	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.026	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4680		23.2	3.0	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.8		1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	7.2		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.6		0.46	0.066	mg/Kg	1	☼	6020B	Total/NA
Calcium	10700		116	19.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.6		2.3	0.20	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-3_WC-14 (Continued) — Lab Sample ID: 460-236042-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	2.8		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	5.8		2.3	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	21800		69.5	23.4	mg/Kg	1	☼	6020B	Total/NA
Lead	8.7		0.69	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3080		116	11.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	665		4.6	0.47	mg/Kg	1	☼	6020B	Total/NA
Nickel	3.0		2.3	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	112	J	116	13.0	mg/Kg	1	☼	6020B	Total/NA
Sodium	98.6	J	116	18.1	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.3		2.3	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	33.8		9.3	2.7	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0054	J	0.019	0.0045	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	8.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Total Solids	90.1		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.6				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Total Solids	32.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: SP-3_WC-14_VOC — Lab Sample ID: 460-236042-7

No Detections.

Client Sample ID: WC-22 (0-5) — Lab Sample ID: 460-236042-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.037	J	0.35	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.010	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.029	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.041	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.11		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.13		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.077	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.080		0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.060	J	0.35	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.015	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.14	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.015	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.026	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.17	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.080		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.035	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.13	J	0.35	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.16	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	3.1		0.35	0.049	mg/Kg	5	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	3.1		0.35	0.049	mg/Kg	5	☼	8082A	Total/NA
Total EPH (C9-C40)	350		2.1	2.1	mg/Kg	1	☼	NJDEP EPH	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-22 (0-5) (Continued)
Lab Sample ID: 460-236042-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.47	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0042	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.14		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4310		20.2	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.82	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	43.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.32	J	0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.50	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	5590		101	17.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.1		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	84.7		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	22500		60.5	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	241		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2650		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	208		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.5		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	655		101	11.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.35	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	1.0	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	1380		101	15.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.087	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	150		8.1	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.017	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	13.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.26	J	0.47	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	8.3	HF			SU	1		9045D	Total/NA
Corrosivity	8.3	HF			SU	1		9045D	Total/NA
Oil & Grease	1830		624	208	mg/Kg	1	☼	9071B	Total/NA
Total Solids	95.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.3				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Total Solids	211		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-22C (1-3)
Lab Sample ID: 460-236042-9

No Detections.

Client Sample ID: WC-21_WC-22 (5-10)
Lab Sample ID: 460-236042-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.0039		0.0022	0.00094	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.13		0.072	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.13		0.072	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	29		2.2	2.2	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.28	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	4440		20.2	2.6	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-21_WC-22 (5-10) (Continued) — Lab Sample ID: 460-236042-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	25.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.29	J	0.40	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.11	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1240		101	17.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.8		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	14.8		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	13800		60.7	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	10.2		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1720		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	286		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	754		101	11.3	mg/Kg	1	☼	6020B	Total/NA
Sodium	760		101	15.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.052	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.6		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	24.7		8.1	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.015	J	0.016	0.0039	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Total Solids	93.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.2		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	10.3		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	143		11.1	11.1	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-21_WC-22 (10-18) — Lab Sample ID: 460-236042-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.38	J	1.0	0.066	mg/L	5		6010D	TCLP
Aluminum	3270		22.3	2.9	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.0	J	1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	98.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.20	J	0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Calcium	3410		112	19.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.4		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.3		2.2	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	8.8		2.2	0.25	mg/Kg	1	☼	6020B	Total/NA
Iron	7450		67.0	22.6	mg/Kg	1	☼	6020B	Total/NA
Lead	3.0		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3120		112	11.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	933		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.5		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Potassium	679		112	12.5	mg/Kg	1	☼	6020B	Total/NA
Sodium	293		112	17.4	mg/Kg	1	☼	6020B	Total/NA
Vanadium	11.3		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	18.5		8.9	2.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0066	J	0.020	0.0047	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-21_WC-22 (10-18) (Continued) — Lab Sample ID: 460-236042-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	7.4		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.4	HF			SU	1		9045D	Total/NA
Corrosivity	8.4	HF			SU	1		9045D	Total/NA
Total Solids	85.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	0.80		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.2				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
Total Solids	78.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-21D_(15-17) — Lab Sample ID: 460-236042-12

No Detections.

Client Sample ID: WC-25 (0-5) — Lab Sample ID: 460-236042-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.037	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.013	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.068	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.13	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.29		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.33		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.48		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.25	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.17		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.081	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.11	J	0.36	0.017	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.027	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.31	J	0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.079		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.028	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.45		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.026	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.28		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.044	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.26	J	0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.44		0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	3.5		0.37	0.050	mg/Kg	5	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	3.5		0.37	0.050	mg/Kg	5	☼	8082A	Total/NA
Total EPH (C9-C40)	660		4.4	4.4	mg/Kg	2	☼	NJDEP EPH	Total/NA
Barium	0.49	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0083	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.072		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4480		20.0	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.5		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.6		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	49.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.29	J	0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.85	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	8620		100	17.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.3		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-25 (0-5) (Continued) — Lab Sample ID: 460-236042-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	104		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	19800		60.1	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	183		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4160		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	233		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.7		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	799		100	11.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.36	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.17	J	1.0	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	597		100	15.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.8		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	91.1		8.0	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.20		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.5		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	0.83		0.47	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	10.0	HF			SU	1		9045D	Total/NA
Corrosivity	10.0	HF			SU	1		9045D	Total/NA
Oil & Grease	2990		661	220	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.7		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	4.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	10.4				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	23.8				Degrees C	1		9040C	TCLP
HEM	3.2	J	5.3	1.5	mg/L	1		1664A	ASTM Leach
Total Solids	154		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WC-25D (1-3) — Lab Sample ID: 460-236042-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.024		0.013	0.013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SP-2_WC-11_12_13 — Lab Sample ID: 460-236101-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.017	J	0.38	0.0050	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.082	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.029	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.037	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.090	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.39		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.41		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.67		0.038	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.29	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.33		0.038	0.0074	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.047	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.42		0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.086		0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.058	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.019	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.64		0.38	0.013	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-2_WC-11_12_13 (Continued) — Lab Sample ID: 460-236101-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.029	J	0.38	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.31		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.086	J	0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.40		0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.63		0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.19		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.19		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	380		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
Barium	0.59	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0030	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.083		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5200		21.5	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	60.4		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.43	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	9220		107	18.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.7		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.5		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	106		2.1	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	18100		64.5	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	160		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5530		107	11.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	225		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.6		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1260		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.57	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	1.1	0.096	mg/Kg	1	☼	6020B	Total/NA
Sodium	186		107	16.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	42.6		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	148		8.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.089		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	18.7		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cyanide, Total	0.22	J	0.23	0.12	mg/Kg	1	☼	9012B	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Oil & Grease	791		669	223	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.2		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.3		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.2				S.U.	1		9040C	Soluble
pH	5.4				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	101		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: SP-2_WC-11_VOC — Lab Sample ID: 460-236101-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0061		0.0023	0.0013	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.0012		0.0011	0.00036	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-4_WC-14_15
Lab Sample ID: 460-236101-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.022	J	0.36	0.0048	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.098	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.019	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.017	J	0.36	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.16	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.84		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.91		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.1		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.62		0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.49		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.025	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.037	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.76		0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.19		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.031	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.5		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.020	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.66		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.059	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.39		0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.5		0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.84		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.84		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	250		11	11	mg/Kg	5	☼	NJDEP EPH	Total/NA
Barium	0.46	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0033	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.086		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5060		22.0	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.20	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	32.8		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.34	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4770		110	18.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.3		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	24.2		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	10600		66.0	22.2	mg/Kg	1	☼	6020B	Total/NA
Lead	34.2		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3870		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	209		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.5		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	1580		110	12.3	mg/Kg	1	☼	6020B	Total/NA
Sodium	227		110	17.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.076	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.3		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	46.4		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.13		0.018	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.3		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.4	HF			SU	1		9045D	Total/NA
Corrosivity	8.4	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-4_WC-14_15 (Continued) — Lab Sample ID: 460-236101-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	343	J	653	218	mg/Kg	1	☼	9071B	Total/NA
Total Solids	89.5		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	6.1		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	77.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: SP-4_WC-14_VOC — Lab Sample ID: 460-236101-4

No Detections.

Client Sample ID: WL-1A (7-9) — Lab Sample ID: 460-236101-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.00080	J	0.0015	0.00034	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.018		0.0090	0.0086	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SP-5_WC-16-17 — Lab Sample ID: 460-236101-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.022	J	0.35	0.0046	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.080	J	0.35	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.017	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.050	J	0.35	0.0035	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.059	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.27		0.035	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.35		0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.49		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.26	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.18		0.035	0.0068	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.079	J	0.35	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.30	J	0.35	0.0059	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.077		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.037	J	0.35	0.0049	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.39		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.027	J	0.35	0.0047	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.28		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.070	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.18	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.43		0.35	0.0086	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	7.5		0.70	0.096	mg/Kg	10	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	7.5		0.70	0.096	mg/Kg	10	☼	8082A	Total/NA
Total EPH (C9-C40)	1100		21	21	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.51	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0045	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.22		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4000		19.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.2		0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	13.3		0.98	0.098	mg/Kg	1	☼	6020B	Total/NA
Barium	53.5		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.21	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.47	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-5_WC-16-17 (Continued) — Lab Sample ID: 460-236101-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	10400		97.9	16.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.4		2.0	0.17	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.0		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	57.8		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	20400		58.7	19.8	mg/Kg	1	☼	6020B	Total/NA
Lead	147		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2240		97.9	10	mg/Kg	1	☼	6020B	Total/NA
Manganese	162		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.9		2.0	0.19	mg/Kg	1	☼	6020B	Total/NA
Potassium	895		97.9	11.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.74	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.98	0.087	mg/Kg	1	☼	6020B	Total/NA
Sodium	459		97.9	15.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.1		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	73.8		7.8	2.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.30		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	15.4		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.5	HF			SU	1		9045D	Total/NA
Corrosivity	8.5	HF			SU	1		9045D	Total/NA
Oil & Grease	2410		620	207	mg/Kg	1	☼	9071B	Total/NA
Total Solids	97.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.8		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5				S.U.	1		9040C	Soluble
pH	5.3				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	89.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: SP-5_WC-17_VOC — Lab Sample ID: 460-236101-7

No Detections.

Client Sample ID: WL-1 (0-10) — Lab Sample ID: 460-236101-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.52		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.056	J	0.37	0.0038	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.23	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.20		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.094		0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.12		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.035	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.050		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.24	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.40		0.37	0.0052	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.0		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.66		0.37	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.035	J	0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.6		0.37	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.87		0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.17		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.17		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-1 (0-10) (Continued)
Lab Sample ID: 460-236101-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total EPH (C9-C40)	5300		45	45	mg/Kg	20	☼	NJDEP EPH	Total/NA
Barium	0.71	J	1.0	0.066	mg/L	5		6010D	TCLP
Lead	0.023	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	3470		21.9	2.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.3		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	33.7		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.20	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Calcium	1240		110	18.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.8		2.2	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.6		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	18.3		2.2	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	7480		65.8	22.2	mg/Kg	1	☼	6020B	Total/NA
Lead	6.0		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1690		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	215		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.6		2.2	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	611		110	12.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.69	J	1.4	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	191		110	17.1	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.6		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	31.6		8.8	2.5	mg/Kg	1	☼	6020B	Total/NA
Cr (III)	7.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	7.3	HF			SU	1		9045D	Total/NA
Corrosivity	7.3	HF			SU	1		9045D	Total/NA
Oil & Grease	3690		670	223	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.9		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.6		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.4				S.U.	1		9040C	Soluble
pH	4.9				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	60.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-2 (0-10)
Lab Sample ID: 460-236101-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	1.7		0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.23	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.13	J	0.38	0.0038	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.086		0.038	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.10		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.15		0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.068	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.044		0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.13	J	0.38	0.0064	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.017	J	0.038	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.23	J	0.38	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.12	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.54		0.38	0.0052	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.076		0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.1		0.38	0.0067	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-2 (0-10) (Continued)
Lab Sample ID: 460-236101-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.15	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.50		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.50		0.077	0.011	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	4200		23	23	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.69	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0019	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.12		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4720		21.3	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.19	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	36.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.56		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2970		106	18.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.6		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	91.6		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	13200		63.9	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	58.0		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2450		106	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	193		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	632		106	11.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	450		106	16.6	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	46.7		8.5	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.097		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	6.7	HF			SU	1		9045D	Total/NA
Corrosivity	6.7	HF			SU	1		9045D	Total/NA
Oil & Grease	3750		680	227	mg/Kg	1	☼	9071B	Total/NA
Total Solids	87.1		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	3.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.2				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	19.0		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Ammonia	0.15		0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	113		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-2A (5-7)
Lab Sample ID: 460-236101-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.028		0.0086	0.0082	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0017		0.0014	0.00038	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0075		0.0014	0.00032	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.030		0.0014	0.00041	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.13		0.0014	0.00072	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0030		0.0029	0.0016	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WL-3A (4-6)
Lab Sample ID: 460-236147-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0077		0.0047	0.00035	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.040		0.0057	0.0054	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0017		0.00095	0.00025	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0011		0.00095	0.00021	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0015		0.00095	0.00019	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.023		0.00095	0.00027	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.026		0.00095	0.00047	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0016	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0039		0.00095	0.00016	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0055		0.00095	0.00018	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00032	J	0.00095	0.00022	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: WL-3 (0-10)
Lab Sample ID: 460-236147-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	2.4		0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.36		0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.17	J	0.36	0.0037	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.047		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.037		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.063		0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.026	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.022	J	0.036	0.0072	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.029	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.068	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.43		0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.14	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.74		0.36	0.0050	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.028	J	0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.6		0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.18	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.38		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.38		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	3200		22	22	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.44	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0027	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.17		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	5250		21.5	2.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.43	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	21.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.72		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	5340		107	18.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.1		2.1	0.19	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	24.9		2.1	0.24	mg/Kg	1	☼	6020B	Total/NA
Iron	19500		64.4	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	21.3		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2970		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	379		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-3 (0-10) (Continued)
Lab Sample ID: 460-236147-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	7.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Potassium	454		107	12.0	mg/Kg	1	☼	6020B	Total/NA
Sodium	238		107	16.7	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	47.7		8.6	2.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.13		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	8.1		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.7	HF			SU	1		9045D	Total/NA
Corrosivity	8.7	HF			SU	1		9045D	Total/NA
Oil & Grease	805		662	221	mg/Kg	1	☼	9071B	Total/NA
Total Solids	92.2		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.9		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.8				S.U.	1		9040C	Soluble
pH	5.0				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Ammonia	0.079	J	0.10	0.050	mg/L	1		4500 NH3 H	ASTM Leach
Total Solids	84.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-4A (5-7)
Lab Sample ID: 460-236147-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.15		0.12	0.032	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	0.088	J	0.12	0.037	mg/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	1.6		0.12	0.039	mg/Kg	50	☼	8260D	Total/NA
Methylcyclohexane	3.7		0.12	0.090	mg/Kg	50	☼	8260D	Total/NA
m-Xylene & p-Xylene	1.9		0.12	0.035	mg/Kg	50	☼	8260D	Total/NA
o-Xylene	0.11	J	0.12	0.039	mg/Kg	50	☼	8260D	Total/NA

Client Sample ID: WL-4 (0-10)
Lab Sample ID: 460-236147-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	8.1		0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.51		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.22	J	0.37	0.0038	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.10		0.037	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.083		0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.14		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.048	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.044		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.13	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.018	J	0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.49		0.37	0.0053	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.33	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.80		0.37	0.0051	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.054		0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.91		0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	2.0		0.37	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.33	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1248	0.63		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Aroclor 1260	0.16		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.79		0.076	0.010	mg/Kg	1	☼	8082A	Total/NA
Total EPH (C9-C40)	1800		23	23	mg/Kg	10	☼	NJDEP EPH	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-4 (0-10) (Continued)
Lab Sample ID: 460-236147-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.60	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0078	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.11		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	3380		21.0	2.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.34	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.4		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	44.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	9520		105	17.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.8		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	26.6		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	8400		62.9	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	26.0		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1880		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	191		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.6		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	552		105	11.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	388		105	16.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.045	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	11.0		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	25.4		8.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.021		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	7.8		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	8.2	HF			SU	1		9045D	Total/NA
Corrosivity	8.2	HF			SU	1		9045D	Total/NA
Oil & Grease	5320		661	220	mg/Kg	1	☼	9071B	Total/NA
Total Solids	8.6		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	5.5		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.4				S.U.	1		9040C	Soluble
pH	5.1				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Chemical Oxygen Demand	11.9		10.0	10.0	mg/Kg	1		410.4	ASTM Leach
Total Solids	177		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-6 (0-10)
Lab Sample ID: 460-236240-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total EPH (C9-C40)	540		22	22	mg/Kg	10	☼	NJDEP EPH	Total/NA
Barium	0.39	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0037	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.077		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	4100		20.8	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	21.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.15	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	961		104	17.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.4		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-6 (0-10) (Continued) — Lab Sample ID: 460-236240-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	21.1		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	9350		62.5	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	6.3		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1420		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	188		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.6		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	427		104	11.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	219		104	16.3	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	23.0		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.058		0.017	0.0041	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.4		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	7.9	HF			SU	1		9045D	Total/NA
Corrosivity	7.9	HF			SU	1		9045D	Total/NA
Oil & Grease	342	J	662	221	mg/Kg	1	☼	9071B	Total/NA
Total Solids	93.4		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.9		0.10	0.10	%	1		SM 2540G	Total/NA
pH	9.5				S.U.	1		9040C	Soluble
pH	5.7				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	124		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-6C (6-8) — Lab Sample ID: 460-236240-2

No Detections.

Client Sample ID: WL-5 (0-10) — Lab Sample ID: 460-236240-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.27	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0019	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.012	J	0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	3390		20.7	2.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.99	J	1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	17.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.25	J	0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.25	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	981		103	17.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.1		2.1	0.18	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	11.4		2.1	0.23	mg/Kg	1	☼	6020B	Total/NA
Iron	9610		62.1	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	2.7		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1660		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	125		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.8		2.1	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	464		103	11.6	mg/Kg	1	☼	6020B	Total/NA
Sodium	309		103	16.1	mg/Kg	1	☼	6020B	Total/NA
Vanadium	15.4		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	29.6		8.3	2.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.012	J	0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WL-5 (0-10) (Continued) — Lab Sample ID: 460-236240-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	12.1		2.0	2.0	mg/Kg	1		7196A	Total/NA
pH	7.3	HF			SU	1		9045D	Total/NA
Corrosivity	7.3	HF			SU	1		9045D	Total/NA
Total Solids	86.0		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	0.93		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.6				S.U.	1		9040C	Soluble
pH	4.9				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	76.0		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

Client Sample ID: WL-5C (5-7) — Lab Sample ID: 460-236240-4

No Detections.

Client Sample ID: CA-2E (0-2) — Lab Sample ID: 460-236396-1

No Detections.

Client Sample ID: CA-2 (0-2) — Lab Sample ID: 460-236396-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.054	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.036	J	0.36	0.0036	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.036	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.13		0.036	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.18		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.34		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.16	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.11		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.023	J	0.36	0.019	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.015	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.17	J	0.36	0.0061	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.046		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.017	J	0.36	0.0051	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.16	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.0051	J	0.36	0.0049	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.043	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.063	J	0.36	0.0064	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.17	J	0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Aroclor 1260	0.89		0.073	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.89		0.073	0.010	mg/Kg	1	☼	8082A	Total/NA
Barium	0.52	J	1.0	0.066	mg/L	5		6010D	TCLP
Cadmium	0.0079	J	0.020	0.0016	mg/L	5		6010D	TCLP
Lead	0.092		0.050	0.012	mg/L	5		6010D	TCLP
Aluminum	3920		20.3	2.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	2.6		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	41.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.56		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.72	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	7280		102	17.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.8		2.0	0.18	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CA-2 (0-2) (Continued)
Lab Sample ID: 460-236396-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	6.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	150		2.0	0.22	mg/Kg	1	☼	6020B	Total/NA
Iron	27700		60.9	20.5	mg/Kg	1	☼	6020B	Total/NA
Lead	205		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2690		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	284		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Potassium	363		102	11.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.64	J	1.3	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	1.0	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	166		102	15.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.058	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.3		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	113		8.1	2.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.00011	J B	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.50		0.018	0.0042	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	14.6		2.0	2.0	mg/Kg	1		7196A	Total/NA
Cr (VI)	1.2		0.48	0.16	mg/Kg	1	☼	7196A	Total/NA
pH	8.0	HF			SU	1		9045D	Total/NA
Corrosivity	8.0	HF			SU	1		9045D	Total/NA
Oil & Grease	1740		649	216	mg/Kg	1	☼	9071B	Total/NA
Total Solids	91.8		0.10	0.10	%	1		SM 2540G	Total/NA
Total Volatile Solids	1.0		0.10	0.10	%	1		SM 2540G	Total/NA
pH	8.9				S.U.	1		9040C	Soluble
pH	5.2				S.U.	1		9040C	TCLP
Temperature	23.0				Degrees C	1		9040C	TCLP
Total Solids	138		10.0	10.0	mg/L	1		SM 2540B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21 (0-5)
Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1
Matrix: Solid
Percent Solids: 91.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.038**	**J**	0.36	0.0048	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
1,2,4,5-Tetrachlorobenzene	**0.18**	**J**	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Methylnaphthalene	**0.12**	**J**	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Acenaphthene	**0.031**	**J**	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Acenaphthylene	**0.20**	**J**	0.36	0.0036	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Anthracene	**0.29**	**J**	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzo[a]anthracene	**0.37**		0.036	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzo[a]pyrene	**0.49**		0.036	0.0096	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzo[b]fluoranthene	**0.75**		0.036	0.0094	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzo[g,h,i]perylene	**0.41**		0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Benzo[k]fluoranthene	**0.26**		0.036	0.0071	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Bis(2-ethylhexyl) phthalate	**0.12**	**J**	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Carbazole	**0.064**	**J**	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Chrysene	**0.42**		0.36	0.0061	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Dibenz(a,h)anthracene	**0.089**		0.036	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Dibenzofuran	**0.089**	**J**	0.36	0.0051	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1

Client Sample ID: WC-21 (0-5)
Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1
Matrix: Solid
Percent Solids: 91.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Di-n-butyl phthalate	**0.016**	**J**	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Fluoranthene	**0.62**		0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Fluorene	**0.044**	**J**	0.36	0.0049	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Hexachlorobenzene	**0.064**		0.036	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Indeno[1,2,3-cd]pyrene	**0.36**		0.036	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Naphthalene	**0.17**	**J**	0.36	0.0063	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Phenanthrene	**0.33**	**J**	0.36	0.0064	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1
Pyrene	**0.56**		0.36	0.0090	mg/Kg	☼	06/09/21 10:44	06/10/21 03:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
3-Penten-2-one, 4-methyl-	*0.46*	*J N*	*mg/Kg*	☼	*3.19*	*141-79-7*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Aldol condensation product	*14*	*A J*	*mg/Kg*	☼	*3.55*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Naphthalene, 2,7-dimethyl-	*0.39*	*J N*	*mg/Kg*	☼	*7.49*	*582-16-1*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*8.23*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*8.45*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*8.69*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.32*	*J*	*mg/Kg*	☼	*8.99*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	*0.94*	*J N*	*mg/Kg*	☼	*9.98*	*41464-41-9*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.69*	*J*	*mg/Kg*	☼	*10.08*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,3,3',4,4'-pentachloro-	*6.2*	*J N*	*mg/Kg*	☼	*10.49*	*32598-14-4*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,2',4,4',5-pentachloro-	*6.7*	*J N*	*mg/Kg*	☼	*11.02*	*38380-01-7*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,3,3',4,4',5-hexachloro-	*7.6*	*J N*	*mg/Kg*	☼	*11.20*	*38380-08-4*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,3',4,4',5,5'-hexachloro-	*5.1*	*J N*	*mg/Kg*	☼	*11.44*	*52663-72-6*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
2,2',3,3',4,5',6-Heptachlorobiphenyl	*1.3*	*J N*	*mg/Kg*	☼	*12.39*	*40186-70-7*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
1,1'-Biphenyl, 2,2',3,3',4,4',5,6-octachloro-	*1.3*	*J N*	*mg/Kg*	☼	*12.53*	*52663-78-2*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.92*	*J*	*mg/Kg*	☼	*16.85*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*0.33*	*J*	*mg/Kg*	☼	*17.12*		*06/09/21 10:44*	*06/10/21 03:31*	*1*
Unknown	*1.9*	*J*	*mg/Kg*	☼	*17.42*		*06/09/21 10:44*	*06/10/21 03:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*10 - 123*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
2-Fluorobiphenyl	*57*		*14 - 103*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 105*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Nitrobenzene-d5 (Surr)	*54*		*11 - 104*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Phenol-d5 (Surr)	*51*		*15 - 100*	*06/09/21 10:44*	*06/10/21 03:31*	*1*
Terphenyl-d14 (Surr)	*55*		*12 - 126*	*06/09/21 10:44*	*06/10/21 03:31*	*1*

Client Sample ID: WC-21 (0-5)
Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1
Matrix: Solid
Percent Solids: 91.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 21:10	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 21:10	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 21:10	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 21:10	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 21:10	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 21:10	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 21:10	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 21:10	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 21:10	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 21:10	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 21:10	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*33 - 150*	*06/10/21 10:13*	*06/10/21 21:10*	*1*
2-Fluorobiphenyl	*68*		*42 - 127*	*06/10/21 10:13*	*06/10/21 21:10*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*06/10/21 10:13*	*06/10/21 21:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*	*06/10/21 10:13*	*06/10/21 21:10*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/10/21 10:13*	*06/10/21 21:10*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 150*	*06/10/21 10:13*	*06/10/21 21:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	06/09/21 09:23	06/10/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*10 - 150*	*06/09/21 09:23*	*06/10/21 05:32*	*1*
DCB Decachlorobiphenyl	*104*		*10 - 150*	*06/09/21 09:23*	*06/10/21 05:32*	*1*
Tetrachloro-m-xylene	*93*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:32*	*1*
Tetrachloro-m-xylene	*69*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:32*	*1*

Client Sample ID: WC-21 (0-5)
Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1
Matrix: Solid
Percent Solids: 91.4

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 04:58	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 04:58	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 04:58	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 04:58	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 04:58	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 04:58	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:58*	*1*
DCB Decachlorobiphenyl	*44*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:58*	*1*
Tetrachloro-m-xylene	*32*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:58*	*1*
Tetrachloro-m-xylene	*36*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	7.3	U	7.3	0.97	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1221	7.3	U	7.3	0.97	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1232	7.3	U	7.3	0.97	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1242	7.3	U	7.3	0.97	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1248	7.3	U	7.3	0.97	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1254	7.3	U	7.3	1.0	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1260	**79**		7.3	1.0	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor-1262	7.3	U	7.3	1.0	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Aroclor 1268	7.3	U	7.3	1.0	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100
Polychlorinated biphenyls, Total	**79**		7.3	1.0	mg/Kg	☼	06/09/21 09:18	06/10/21 14:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*	*37 - 150*	*06/09/21 09:18*	*06/10/21 14:26*	*100*
DCB Decachlorobiphenyl	*0*	*	*37 - 150*	*06/09/21 09:18*	*06/10/21 14:26*	*100*
Tetrachloro-m-xylene	*0*	*	*54 - 150*	*06/09/21 09:18*	*06/10/21 14:26*	*100*
Tetrachloro-m-xylene	*0*	*	*54 - 150*	*06/09/21 09:18*	*06/10/21 14:26*	*100*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/09/21 23:49	06/10/21 10:57	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/09/21 23:49	06/10/21 10:57	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/09/21 23:49	06/10/21 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*69*		*65 - 150*	*06/09/21 23:49*	*06/10/21 10:57*	*1*
2,4-Dichlorophenylacetic acid	*111*		*65 - 150*	*06/09/21 23:49*	*06/10/21 10:57*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 09:52	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*	*06/10/21 23:53*	*06/11/21 09:52*	*1*
2,4-Dichlorophenylacetic acid	*66*		*28 - 150*	*06/10/21 23:53*	*06/11/21 09:52*	*1*

Client Sample ID: WC-21 (0-5)
Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1
Matrix: Solid
Percent Solids: 91.4

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1600**		22	22	mg/Kg	☼	06/09/21 10:50	06/10/21 13:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:41*	*10*
1-Chlorooctadecane	*71*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:41*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 17:29	5
Barium	**0.48**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 17:29	5
Cadmium	**0.0086**	**J**	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 17:29	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 17:29	5
Lead	**0.13**		0.050	0.012	mg/L		06/10/21 16:40	06/11/21 17:29	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 17:29	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 17:29	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6520**		21.2	2.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Antimony	**2.4**		1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Arsenic	**7.2**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Barium	**88.5**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Beryllium	**0.41**	**J**	0.42	0.061	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Cadmium	**1.4**		1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Calcium	**10100**		106	18.1	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Chromium	**21.0**		2.1	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Cobalt	**7.6**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Copper	**116**		2.1	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Iron	**25400**		63.7	21.5	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Lead	**306**		0.64	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Magnesium	**4000**		106	10.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Manganese	**222**		4.2	0.43	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Nickel	**17.5**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Potassium	**1160**		106	11.9	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Selenium	**0.50**	**J**	1.3	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Silver	**0.26**	**J**	1.1	0.095	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Sodium	**1610**		106	16.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Thallium	**0.13**	**J**	0.42	0.044	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Vanadium	**37.6**		2.1	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1
Zinc	**142**		8.5	2.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:48	06/10/21 16:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.018	0.0043	mg/Kg	☼	06/10/21 03:54	06/10/21 09:01	1

Client Sample ID: WC-21 (0-5)
Lab Sample ID: 460-236042-1

Date Collected: 06/05/21 12:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.4

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			06/13/21 12:22	1
Corrosivity	**8.5**	**HF**			SU			06/13/21 12:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	U	0.47	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.25	U	0.25	0.14	mg/Kg	☼	06/10/21 10:26	06/10/21 13:21	1
Oil & Grease	**7060**		656	219	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**21.0**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**8.6**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**91.4**		1.0	1.0	%			06/09/21 10:43	1
Total Solids	**92.7**		0.10	0.10	%			06/09/21 13:13	1
Total Volatile Solids	**4.0**		0.10	0.10	%			06/09/21 13:13	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.7**				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			06/10/21 10:55	1
Temperature	**23.8**				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**201**		10.0	10.0	mg/L			06/10/21 16:03	1

Client Sample ID: WC-21D (6-8)
Lab Sample ID: 460-236042-2

Date Collected: 06/07/21 12:45
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 76.8

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21D (6-8)
Date Collected: 06/07/21 12:45
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-2
Matrix: Solid
Percent Solids: 76.8

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
2-Hexanone	0.0059	U	0.0059	0.0020	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
4-Methyl-2-pentanone (MIBK)	0.0059	U	0.0059	0.0018	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chloroethane	0.0012	U	0.0012	0.00062	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Methyl acetate	0.0059	U	0.0059	0.0051	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Methylcyclohexane	0.0012	U	0.0012	0.00059	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	06/08/21 21:07	06/09/21 15:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:07*	*06/09/21 15:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 145*	*06/08/21 21:07*	*06/09/21 15:31*	*1*
4-Bromofluorobenzene	*98*		*70 - 139*	*06/08/21 21:07*	*06/09/21 15:31*	*1*
Dibromofluoromethane (Surr)	*85*		*48 - 150*	*06/08/21 21:07*	*06/09/21 15:31*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*06/08/21 21:07*	*06/09/21 15:31*	*1*

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-21D (6-8)
Lab Sample ID: 460-236042-2
Date Collected: 06/07/21 12:45
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 76.8

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/12/21 00:27	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/12/21 00:27	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/12/21 00:27	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/12/21 00:27	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/12/21 00:27	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/12/21 00:27	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/12/21 00:27	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/12/21 00:27	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/12/21 00:27	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/12/21 00:27	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/12/21 00:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/12/21 00:27*	*10*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/12/21 00:27*	*10*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*06/12/21 00:27*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/12/21 00:27*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23.2**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**76.8**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: WC-21B (1-3)
Lab Sample ID: 460-236042-3
Date Collected: 06/07/21 12:30
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.9

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00036	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00046	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2,3-Trichlorobenzene	**0.00067**	**J**	0.0015	0.00028	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00071	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00046	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00065	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
2-Butanone (MEK)	0.0077	U	0.0077	0.00057	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
2-Hexanone	0.0077	U	0.0077	0.0026	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
4-Methyl-2-pentanone (MIBK)	0.0077	U	0.0077	0.0024	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Acetone	0.0093	U	0.0093	0.0088	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Benzene	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Bromoform	0.0015	U	0.0015	0.00066	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Bromomethane	0.0031	U	0.0031	0.0015	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21B (1-3)
Date Collected: 06/07/21 12:30
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-3
Matrix: Solid
Percent Solids: 88.9

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Carbon tetrachloride	0.0015	U	0.0015	0.00060	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chlorobromomethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chlorodibromomethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chloroethane	0.0015	U	0.0015	0.00081	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Chloromethane	0.0015	U	0.0015	0.00067	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00055	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Cyclohexane	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Dichlorobromomethane	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00052	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Ethylbenzene	0.0015	U	0.0015	0.00031	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Ethylene Dibromide	0.0015	U	0.0015	0.00028	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Isopropylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Methyl acetate	0.0077	U	0.0077	0.0066	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00079	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Methylcyclohexane	0.0015	U	0.0015	0.00077	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
o-Xylene	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Styrene	0.0015	U	0.0015	0.00043	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Tetrachloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Toluene	0.0015	U	0.0015	0.00036	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00038	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Trichloroethene	0.0015	U	0.0015	0.00050	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00063	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1
Vinyl chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	06/08/21 21:08	06/09/21 15:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1,2,4,5-tetrachloro-	*0.016*	*J N*	*mg/Kg*	☼	*15.68*	*95-94-3*	*06/08/21 21:08*	*06/09/21 15:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*	*06/08/21 21:08*	*06/09/21 15:55*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*06/08/21 21:08*	*06/09/21 15:55*	*1*
Dibromofluoromethane (Surr)	*90*		*48 - 150*	*06/08/21 21:08*	*06/09/21 15:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*06/08/21 21:08*	*06/09/21 15:55*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 13:13	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 13:13	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 13:13	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 13:13	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 13:13	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 13:13	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 13:13	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 13:13	10

Client Sample ID: WC-21B (1-3)
Date Collected: 06/07/21 12:30
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-3
Matrix: Solid
Percent Solids: 88.9

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 13:13	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 13:13	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 13:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/10/21 13:13*	*10*
4-Bromofluorobenzene	*91*		*76 - 120*		*06/10/21 13:13*	*10*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*06/10/21 13:13*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/21 13:13*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**88.9**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: SP-1_WC-8_9_10
Date Collected: 06/07/21 08:50
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-4
Matrix: Solid
Percent Solids: 88.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.021**	**J**	0.37	0.0050	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Methylnaphthalene	**0.082**	**J**	0.37	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
2-Nitrophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Chloroaniline	0.37	U	0.37	0.067	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Acenaphthene	**0.054**	**J**	0.37	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-1_WC-8_9_10
Date Collected: 06/07/21 08:50
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-4
Matrix: Solid
Percent Solids: 88.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.72**		0.37	0.0038	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Anthracene	**0.71**		0.37	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzo[a]anthracene	**2.4**		0.037	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzo[a]pyrene	**2.3**		0.037	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzo[b]fluoranthene	**3.9**		0.037	0.0097	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzo[g,h,i]perylene	**0.86**		0.37	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Benzo[k]fluoranthene	**1.7**		0.037	0.0074	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Bis(2-ethylhexyl) phthalate	**0.076**	**J**	0.37	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Carbazole	**0.12**	**J**	0.37	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Chrysene	**2.3**		0.37	0.0063	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Dibenz(a,h)anthracene	**0.31**		0.037	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Dibenzofuran	**0.072**	**J**	0.37	0.0053	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Di-n-butyl phthalate	**0.033**	**J**	0.37	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Fluoranthene	**2.8**		0.37	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Fluorene	**0.069**	**J**	0.37	0.0051	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Indeno[1,2,3-cd]pyrene	**1.1**		0.037	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Naphthalene	**0.13**	**J**	0.37	0.0065	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Phenanthrene	**0.58**		0.37	0.0066	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1
Pyrene	**2.6**		0.37	0.0093	mg/Kg	☼	06/09/21 10:44	06/10/21 04:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*3.6*	*A J*	*mg/Kg*	☼	*3.55*		*06/09/21 10:44*	*06/10/21 04:17*	*1*
Unknown	*0.36*	*J*	*mg/Kg*	☼	*8.99*		*06/09/21 10:44*	*06/10/21 04:17*	*1*
Fluoranthene, 2-methyl-	*0.43*	*J N*	*mg/Kg*	☼	*10.95*	*33543-31-6*	*06/09/21 10:44*	*06/10/21 04:17*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*11.08*		*06/09/21 10:44*	*06/10/21 04:17*	*1*
Unknown	*0.69*	*J*	*mg/Kg*	☼	*11.67*		*06/09/21 10:44*	*06/10/21 04:17*	*1*
Benz[a]anthracene, 7-methyl-	*0.79*	*J N*	*mg/Kg*	☼	*12.55*	*2541-69-7*	*06/09/21 10:44*	*06/10/21 04:17*	*1*
Unknown	*0.42*	*J*	*mg/Kg*	☼	*12.74*		*06/09/21 10:44*	*06/10/21 04:17*	*1*
Perylene	*0.68*	*J N*	*mg/Kg*	☼	*13.67*	*198-55-0*	*06/09/21 10:44*	*06/10/21 04:17*	*1*
Unknown	*0.45*	*J*	*mg/Kg*	☼	*14.53*		*06/09/21 10:44*	*06/10/21 04:17*	*1*

Client Sample ID: SP-1_WC-8_9_10
Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzo[b]triphenylene	0.79	J N	mg/Kg	☼	15.78	215-58-7	06/09/21 10:44	06/10/21 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		10 - 123	06/09/21 10:44	06/10/21 04:17	1
2-Fluorobiphenyl	70		14 - 103	06/09/21 10:44	06/10/21 04:17	1
2-Fluorophenol (Surr)	64		10 - 105	06/09/21 10:44	06/10/21 04:17	1
Nitrobenzene-d5 (Surr)	61		11 - 104	06/09/21 10:44	06/10/21 04:17	1
Phenol-d5 (Surr)	61		15 - 100	06/09/21 10:44	06/10/21 04:17	1
Terphenyl-d14 (Surr)	69		12 - 126	06/09/21 10:44	06/10/21 04:17	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 21:31	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 21:31	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 21:31	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 21:31	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 21:31	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 21:31	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 21:31	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 21:31	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 21:31	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 21:31	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 21:31	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		33 - 150	06/10/21 10:13	06/10/21 21:31	1
2-Fluorobiphenyl	67		42 - 127	06/10/21 10:13	06/10/21 21:31	1
2-Fluorophenol (Surr)	42		18 - 72	06/10/21 10:13	06/10/21 21:31	1
Nitrobenzene-d5 (Surr)	84		46 - 137	06/10/21 10:13	06/10/21 21:31	1
Phenol-d5 (Surr)	26		10 - 50	06/10/21 10:13	06/10/21 21:31	1
Terphenyl-d14 (Surr)	92		39 - 150	06/10/21 10:13	06/10/21 21:31	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
4,4'-DDT	**0.0095**		0.0076	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1

Client Sample ID: SP-1_WC-8_9_10
Lab Sample ID: 460-236042-4
Date Collected: 06/07/21 08:50
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	06/09/21 09:23	06/10/21 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*193*	*	*10 - 150*	*06/09/21 09:23*	*06/10/21 05:47*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*06/09/21 09:23*	*06/10/21 05:47*	*1*
Tetrachloro-m-xylene	*79*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:47*	*1*
Tetrachloro-m-xylene	*60*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 05:10	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 05:10	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 05:10	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 05:10	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 05:10	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 05:10	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:10*	*1*
DCB Decachlorobiphenyl	*40*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:10*	*1*
Tetrachloro-m-xylene	*33*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:10*	*1*
Tetrachloro-m-xylene	*28*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1260	**0.13**		0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1
Polychlorinated biphenyls, Total	**0.13**		0.076	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*37 - 150*	*06/09/21 09:18*	*06/10/21 10:52*	*1*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*06/09/21 09:18*	*06/10/21 10:52*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*06/09/21 09:18*	*06/10/21 10:52*	*1*
Tetrachloro-m-xylene	*99*		*54 - 150*	*06/09/21 09:18*	*06/10/21 10:52*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	06/09/21 23:49	06/10/21 11:11	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/09/21 23:49	06/10/21 11:11	1

Client Sample ID: SP-1_WC-8_9_10
Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.3

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	06/09/21 23:49	06/10/21 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*291*	*	*65 - 150*	*06/09/21 23:49*	*06/10/21 11:11*	*1*
2,4-Dichlorophenylacetic acid	*69*		*65 - 150*	*06/09/21 23:49*	*06/10/21 11:11*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 10:06	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:06*	*1*
2,4-Dichlorophenylacetic acid	*66*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:06*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**290**		2.3	2.3	mg/Kg	☼	06/09/21 10:50	06/10/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*120*		*40 - 140*	*06/09/21 10:50*	*06/10/21 11:52*	*1*
1-Chlorooctadecane	*136*		*40 - 140*	*06/09/21 10:50*	*06/10/21 11:52*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 15:50	5
Barium	**0.68**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 15:50	5
Cadmium	**0.0035**	**J**	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 15:50	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 15:50	5
Lead	**0.12**		0.050	0.012	mg/L		06/10/21 16:40	06/11/21 15:50	5
Selenium	**0.041**	**J**	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 15:50	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 15:50	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**		22.0	2.9	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Antimony	**0.68**	**J**	1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Arsenic	**4.5**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Barium	**183**		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Beryllium	**0.31**	**J**	0.44	0.063	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Cadmium	**0.32**	**J**	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Calcium	**4590**		110	18.7	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Chromium	**15.6**		2.2	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Cobalt	**5.3**		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Copper	**75.7**		2.2	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Iron	**12300**		66.0	22.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Lead	**148**		0.66	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Magnesium	**2340**		110	11.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Manganese	**215**		4.4	0.44	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Nickel	**13.4**		2.2	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Potassium	**734**		110	12.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1

Client Sample ID: SP-1_WC-8_9_10
Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.60**	**J**	1.4	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Silver	**0.13**	**J**	1.1	0.098	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Sodium	**135**		110	17.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Thallium	**0.089**	**J**	0.44	0.045	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Vanadium	**23.5**		2.2	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1
Zinc	**119**		8.8	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 11:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:48	06/10/21 16:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.018	0.0042	mg/Kg	☼	06/10/21 03:54	06/10/21 09:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**	**HF**			SU			06/13/21 12:24	1
Corrosivity	**8.3**	**HF**			SU			06/13/21 12:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.49	U	0.49	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.23	U	0.23	0.12	mg/Kg	☼	06/11/21 16:14	06/13/21 14:41	1
Oil & Grease	**229**	**J**	670	223	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**15.6**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**11.7**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**88.3**		1.0	1.0	%			06/09/21 10:43	1
Total Solids	**89.7**		0.10	0.10	%			06/09/21 13:13	1
Total Volatile Solids	**5.1**		0.10	0.10	%			06/09/21 13:13	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			06/10/21 10:55	1
Temperature	**23.8**				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**86.0**		10.0	10.0	mg/L			06/10/21 16:03	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-1_WC-8_9_10_VOC
Date Collected: 06/07/21 08:55
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-5
Matrix: Solid
Percent Solids: 88.4

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00042	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
2-Butanone (MEK)	0.0057	U	0.0057	0.00042	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
2-Hexanone	0.0057	U	0.0057	0.0020	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
4-Methyl-2-pentanone (MIBK)	0.0057	U	0.0057	0.0018	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Acetone	0.0068	U	0.0068	0.0065	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chloroethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Chloromethane	0.0011	U	0.0011	0.00050	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00039	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Ethylbenzene	0.0011	U	0.0011	0.00023	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Ethylene Dibromide	0.0011	U	0.0011	0.00021	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Trichloroethene	0.0011	U	0.0011	0.00037	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1

Client Sample ID: SP-1_WC-8_9_10_VOC
Lab Sample ID: 460-236042-5
Date Collected: 06/07/21 08:55
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 88.4

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	06/08/21 21:09	06/09/21 16:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:09*	*06/09/21 16:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 145*	*06/08/21 21:09*	*06/09/21 16:18*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/08/21 21:09*	*06/09/21 16:18*	*1*
Dibromofluoromethane (Surr)	*91*		*48 - 150*	*06/08/21 21:09*	*06/09/21 16:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*06/08/21 21:09*	*06/09/21 16:18*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 13:36	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 13:36	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 13:36	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 13:36	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 13:36	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 13:36	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 13:36	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 13:36	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 13:36	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 13:36	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 13:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/10/21 13:36*	*10*
4-Bromofluorobenzene	*91*		*76 - 120*		*06/10/21 13:36*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/10/21 13:36*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/21 13:36*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.6**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**88.4**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: SP-3_WC-14
Lab Sample ID: 460-236042-6
Date Collected: 06/07/21 09:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 83.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.40	U	0.40	0.0053	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
1,2,4,5-Tetrachlorobenzene	0.40	U	0.40	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
1,4-Dioxane	0.040	U	0.040	0.035	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,2'-oxybis[1-chloropropane]	0.40	U	0.40	0.0072	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,3,4,6-Tetrachlorophenol	0.40	U	0.40	0.027	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,4,5-Trichlorophenol	0.40	U	0.40	0.041	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.051	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,4-Dichlorophenol	0.16	U	0.16	0.026	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-3_WC-14
Date Collected: 06/07/21 09:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-6
Matrix: Solid
Percent Solids: 83.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.40	U	0.40	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,4-Dinitrophenol	0.32	U	0.32	0.20	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,4-Dinitrotoluene	0.081	U	0.081	0.043	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2,6-Dinitrotoluene	0.081	U	0.081	0.029	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Chloronaphthalene	0.40	U	0.40	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Chlorophenol	0.40	U	0.40	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Methylnaphthalene	0.40	U	0.40	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Methylphenol	0.40	U	0.40	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Nitroaniline	0.40	U	0.40	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
2-Nitrophenol	0.40	U	0.40	0.040	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.060	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
3-Nitroaniline	0.40	U	0.40	0.045	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Bromophenyl phenyl ether	0.40	U	0.40	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Chloro-3-methylphenol	0.40	U	0.40	0.022	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Chloroaniline	0.40	U	0.40	0.071	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Chlorophenyl phenyl ether	0.40	U	0.40	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Methylphenol	0.40	U	0.40	0.025	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Nitroaniline	0.40	U	0.40	0.046	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
4-Nitrophenol	0.81	U	0.81	0.065	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Acenaphthene	0.40	U	0.40	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Acenaphthylene	0.40	U	0.40	0.0040	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Acetophenone	0.40	U	0.40	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Anthracene	0.40	U	0.40	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzaldehyde	0.40	U	0.40	0.066	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzo[a]anthracene	0.040	U	0.040	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzo[a]pyrene	0.040	U	0.040	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzo[b]fluoranthene	0.040	U	0.040	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzo[g,h,i]perylene	0.40	U	0.40	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Benzo[k]fluoranthene	0.040	U	0.040	0.0078	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Bis(2-chloroethoxy)methane	0.40	U	0.40	0.031	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Bis(2-chloroethyl)ether	0.040	U	0.040	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Bis(2-ethylhexyl) phthalate	0.40	U	0.40	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Butyl benzyl phthalate	0.40	U	0.40	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Caprolactam	0.40	U	0.40	0.062	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Carbazole	0.40	U	0.40	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Chrysene	0.40	U	0.40	0.0067	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Dibenz(a,h)anthracene	0.040	U	0.040	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Dibenzofuran	0.40	U	0.40	0.0056	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Diethyl phthalate	0.40	U	0.40	0.0058	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Dimethyl phthalate	0.40	U	0.40	0.090	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Di-n-butyl phthalate	0.40	U	0.40	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Di-n-octyl phthalate	0.40	U	0.40	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Fluoranthene	0.40	U	0.40	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Fluorene	0.40	U	0.40	0.0054	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Hexachlorobenzene	0.040	U	0.040	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Hexachlorobutadiene	0.081	U	0.081	0.0085	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Hexachlorocyclopentadiene	0.40	U	0.40	0.035	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1

Client Sample ID: SP-3_WC-14
Date Collected: 06/07/21 09:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-6
Matrix: Solid
Percent Solids: 83.1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.040	U	0.040	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Indeno[1,2,3-cd]pyrene	0.040	U	0.040	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Isophorone	0.16	U	0.16	0.12	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Naphthalene	0.40	U	0.40	0.0069	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Nitrobenzene	0.040	U	0.040	0.0096	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
N-Nitrosodi-n-propylamine	0.040	U	0.040	0.029	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
N-Nitrosodiphenylamine	0.40	U	0.40	0.033	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Pentachlorophenol	0.32	U	0.32	0.082	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Phenanthrene	0.40	U	0.40	0.0070	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Phenol	0.40	U	0.40	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1
Pyrene	0.40	U	0.40	0.0099	mg/Kg	☼	06/09/21 10:44	06/10/21 01:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.5*	*A J*	*mg/Kg*	☼	*3.55*		*06/09/21 10:44*	*06/10/21 01:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*10 - 123*	*06/09/21 10:44*	*06/10/21 01:11*	*1*
2-Fluorobiphenyl	*60*		*14 - 103*	*06/09/21 10:44*	*06/10/21 01:11*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 105*	*06/09/21 10:44*	*06/10/21 01:11*	*1*
Nitrobenzene-d5 (Surr)	*60*		*11 - 104*	*06/09/21 10:44*	*06/10/21 01:11*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*06/09/21 10:44*	*06/10/21 01:11*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 126*	*06/09/21 10:44*	*06/10/21 01:11*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 21:52	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 21:52	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 21:52	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 21:52	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 21:52	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 21:52	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 21:52	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 21:52	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 21:52	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 21:52	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 21:52	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*33 - 150*	*06/10/21 10:13*	*06/10/21 21:52*	*1*
2-Fluorobiphenyl	*66*		*42 - 127*	*06/10/21 10:13*	*06/10/21 21:52*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*06/10/21 10:13*	*06/10/21 21:52*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*	*06/10/21 10:13*	*06/10/21 21:52*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*06/10/21 10:13*	*06/10/21 21:52*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 150*	*06/10/21 10:13*	*06/10/21 21:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0081	U	0.0081	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
4,4'-DDE	0.0081	U	0.0081	0.00095	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
4,4'-DDT	0.0081	U	0.0081	0.0015	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1

Client Sample ID: SP-3_WC-14
Lab Sample ID: 460-236042-6
Date Collected: 06/07/21 09:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 83.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
alpha-BHC	0.0024	U	0.0024	0.00082	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
beta-BHC	0.0024	U	0.0024	0.00090	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Chlordane (technical)	0.081	U	0.081	0.020	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endosulfan I	0.0081	U	0.0081	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endosulfan II	0.0081	U	0.0081	0.0021	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endosulfan sulfate	0.0081	U	0.0081	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endrin aldehyde	0.0081	U	0.0081	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Endrin ketone	0.0081	U	0.0081	0.0016	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00075	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Heptachlor	0.0081	U	0.0081	0.00095	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Heptachlor epoxide	0.0081	U	0.0081	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Methoxychlor	0.0081	U	0.0081	0.0018	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1
Toxaphene	0.081	U	0.081	0.029	mg/Kg	☼	06/09/21 09:23	06/10/21 06:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:01*	*1*
DCB Decachlorobiphenyl	*105*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:01*	*1*
Tetrachloro-m-xylene	*74*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:01*	*1*
Tetrachloro-m-xylene	*71*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 05:48	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 05:48	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 05:48	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 05:48	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 05:48	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 05:48	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:48*	*1*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:48*	*1*
Tetrachloro-m-xylene	*33*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:48*	*1*
Tetrachloro-m-xylene	*34*		*10 - 150*	*06/10/21 10:16*	*06/11/21 05:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1221	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1232	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1242	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1248	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1254	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor 1260	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Aroclor-1262	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1

Client Sample ID: SP-3_WC-14
Lab Sample ID: 460-236042-6

Date Collected: 06/07/21 09:00
Matrix: Solid

Date Received: 06/07/21 19:00
Percent Solids: 83.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1
Polychlorinated biphenyls, Total	0.081	U	0.081	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*06/09/21 09:18*	*06/10/21 11:15*	*1*
DCB Decachlorobiphenyl	*95*		*37 - 150*	*06/09/21 09:18*	*06/10/21 11:15*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*06/09/21 09:18*	*06/10/21 11:15*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*06/09/21 09:18*	*06/10/21 11:15*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.040	U	0.040	0.0085	mg/Kg	☼	06/09/21 23:49	06/10/21 12:25	1
2,4-D	0.040	U	0.040	0.015	mg/Kg	☼	06/09/21 23:49	06/10/21 12:25	1
Silvex (2,4,5-TP)	0.040	U	0.040	0.0042	mg/Kg	☼	06/09/21 23:49	06/10/21 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:25*	*1*
2,4-Dichlorophenylacetic acid	*77*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:25*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 10:19	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*62*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:19*	*1*
2,4-Dichlorophenylacetic acid	*69*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:19*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**45**		2.4	2.4	mg/Kg	☼	06/09/21 10:50	06/10/21 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*130*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:24*	*1*
1-Chlorooctadecane	*138*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:24*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 15:54	5
Barium	**0.29**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 15:54	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 15:54	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 15:54	5
Lead	**0.026**	**J**	0.050	0.012	mg/L		06/10/21 16:40	06/11/21 15:54	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 15:54	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 15:54	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4680**		23.2	3.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Antimony	1.2	U	1.2	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Arsenic	**1.8**		1.2	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Barium	**7.2**		2.3	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1

Client Sample ID: SP-3_WC-14
Date Collected: 06/07/21 09:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-6
Matrix: Solid
Percent Solids: 83.1

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**1.6**		0.46	0.066	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Cadmium	1.2	U	1.2	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Calcium	**10700**		116	19.7	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Chromium	**8.6**		2.3	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Cobalt	**2.8**		2.3	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Copper	**5.8**		2.3	0.25	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Iron	**21800**		69.5	23.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Lead	**8.7**		0.69	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Magnesium	**3080**		116	11.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Manganese	**665**		4.6	0.47	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Nickel	**3.0**		2.3	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Potassium	**112**	**J**	116	13.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Selenium	1.4	U	1.4	0.14	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Silver	1.2	U	1.2	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Sodium	**98.6**	**J**	116	18.1	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Thallium	0.46	U	0.46	0.047	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Vanadium	**14.3**		2.3	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1
Zinc	**33.8**		9.3	2.7	mg/Kg	☼	06/17/21 03:39	06/17/21 11:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:48	06/10/21 16:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0054**	**J**	0.019	0.0045	mg/Kg	☼	06/10/21 03:54	06/10/21 09:05	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			06/13/21 12:25	1
Corrosivity	**8.5**	**HF**			SU			06/13/21 12:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.52	U	0.52	0.17	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	06/11/21 16:14	06/13/21 14:42	1
Oil & Grease	716	U	716	239	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**8.6**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**16.9**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**83.1**		1.0	1.0	%			06/09/21 10:43	1
Total Solids	**90.1**		0.10	0.10	%			06/09/21 13:13	1
Total Volatile Solids	**1.1**		0.10	0.10	%			06/09/21 13:13	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.6**				S.U.			06/10/21 10:55	1

Client Sample ID: SP-3_WC-14
Lab Sample ID: 460-236042-6
Date Collected: 06/07/21 09:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 83.1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			06/10/21 10:55	1
Temperature	**23.8**				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**32.0**		10.0	10.0	mg/L			06/10/21 16:03	1

Client Sample ID: SP-3_WC-14_VOC
Lab Sample ID: 460-236042-7
Date Collected: 06/07/21 09:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 80.6

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00036	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00033	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00047	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00032	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00072	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00046	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00066	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
2-Butanone (MEK)	0.0078	U	0.0078	0.00058	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
2-Hexanone	0.0078	U	0.0078	0.0027	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
4-Methyl-2-pentanone (MIBK)	0.0078	U	0.0078	0.0024	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Acetone	0.0094	U	0.0094	0.0089	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Benzene	0.0016	U	0.0016	0.00040	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Bromoform	0.0016	U	0.0016	0.00066	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Bromomethane	0.0031	U	0.0031	0.0016	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Carbon disulfide	0.0016	U	0.0016	0.00042	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Carbon tetrachloride	0.0016	U	0.0016	0.00061	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chlorobromomethane	0.0016	U	0.0016	0.00044	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chlorodibromomethane	0.0016	U	0.0016	0.00030	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chloroethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chloroform	0.0016	U	0.0016	0.0015	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Chloromethane	0.0016	U	0.0016	0.00068	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Cyclohexane	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Dichlorobromomethane	0.0016	U	0.0016	0.00040	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1

Client Sample ID: SP-3_WC-14_VOC
Lab Sample ID: 460-236042-7

Date Collected: 06/07/21 09:05
Matrix: Solid

Date Received: 06/07/21 19:00
Percent Solids: 80.6

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0016	U	0.0016	0.00053	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Ethylbenzene	0.0016	U	0.0016	0.00031	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Ethylene Dibromide	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Isopropylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Methyl acetate	0.0078	U	0.0078	0.0067	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00080	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Methylcyclohexane	0.0016	U	0.0016	0.00078	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00027	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
o-Xylene	0.0016	U	0.0016	0.00030	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Styrene	0.0016	U	0.0016	0.00043	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Tetrachloroethene	0.0016	U	0.0016	0.00048	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Toluene	0.0016	U	0.0016	0.00037	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00038	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00042	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Trichloroethene	0.0016	U	0.0016	0.00050	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00063	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1
Vinyl chloride	0.0016	U	0.0016	0.00085	mg/Kg	☼	06/08/21 21:11	06/09/21 16:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:11*	*06/09/21 16:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*06/08/21 21:11*	*06/09/21 16:41*	*1*
4-Bromofluorobenzene	*113*		*70 - 139*	*06/08/21 21:11*	*06/09/21 16:41*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*06/08/21 21:11*	*06/09/21 16:41*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*	*06/08/21 21:11*	*06/09/21 16:41*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 13:58	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 13:58	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 13:58	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 13:58	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 13:58	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 13:58	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 13:58	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 13:58	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 13:58	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 13:58	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 13:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/10/21 13:58*	*10*
4-Bromofluorobenzene	*86*		*76 - 120*		*06/10/21 13:58*	*10*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/10/21 13:58*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/10/21 13:58*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19.4**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: SP-3_WC-14_VOC
Lab Sample ID: 460-236042-7
Date Collected: 06/07/21 09:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 80.6

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**80.6**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: WC-22 (0-5)
Lab Sample ID: 460-236042-8
Date Collected: 06/07/21 10:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.0046	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Methylnaphthalene	**0.037**	**J**	0.35	0.0098	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Acenaphthene	**0.010**	**J**	0.35	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Acenaphthylene	**0.029**	**J**	0.35	0.0035	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Anthracene	**0.041**	**J**	0.35	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzo[a]anthracene	**0.11**		0.035	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzo[a]pyrene	**0.13**		0.035	0.0093	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzo[b]fluoranthene	**0.20**		0.035	0.0091	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzo[g,h,i]perylene	**0.077**	**J**	0.35	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Benzo[k]fluoranthene	**0.080**		0.035	0.0069	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Bis(2-ethylhexyl) phthalate	**0.060**	**J**	0.35	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-22 (0-5)
Date Collected: 06/07/21 10:05
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-8
Matrix: Solid
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Carbazole	**0.015**	**J**	0.35	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Chrysene	**0.14**	**J**	0.35	0.0059	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Dibenz(a,h)anthracene	**0.025**	**J**	0.035	0.015	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Dibenzofuran	**0.015**	**J**	0.35	0.0049	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Diethyl phthalate	0.35	U	0.35	0.0051	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Di-n-butyl phthalate	**0.026**	**J**	0.35	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Fluoranthene	**0.17**	**J**	0.35	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Fluorene	0.35	U	0.35	0.0047	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Indeno[1,2,3-cd]pyrene	**0.080**		0.035	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Naphthalene	**0.035**	**J**	0.35	0.0061	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Nitrobenzene	0.035	U	0.035	0.0084	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Phenanthrene	**0.13**	**J**	0.35	0.0062	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1
Pyrene	**0.16**	**J**	0.35	0.0087	mg/Kg	☼	06/09/21 10:44	06/10/21 03:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*11*	*A J*	*mg/Kg*	☼	*3.54*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*9.03*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	*0.76*	*J N*	*mg/Kg*	☼	*11.02*	*74472-35-8*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
1,1'-Biphenyl, 2,3,3',4,4',5'-hexachloro-	*0.85*	*J N*	*mg/Kg*	☼	*11.19*	*69782-90-7*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.55*	*J*	*mg/Kg*	☼	*11.43*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.50*	*J*	*mg/Kg*	☼	*13.27*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.29*	*J*	*mg/Kg*	☼	*15.48*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*17.27*		*06/09/21 10:44*	*06/10/21 03:54*	*1*
Unknown	*0.58*	*J*	*mg/Kg*	☼	*17.53*		*06/09/21 10:44*	*06/10/21 03:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 123*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
2-Fluorobiphenyl	*59*		*14 - 103*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 105*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
Nitrobenzene-d5 (Surr)	*55*		*11 - 104*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
Phenol-d5 (Surr)	*53*		*15 - 100*	*06/09/21 10:44*	*06/10/21 03:54*	*1*
Terphenyl-d14 (Surr)	*57*		*12 - 126*	*06/09/21 10:44*	*06/10/21 03:54*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 22:14	1

Client Sample ID: WC-22 (0-5)
Lab Sample ID: 460-236042-8
Date Collected: 06/07/21 10:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 94.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 22:14	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 22:14	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 22:14	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 22:14	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 22:14	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 22:14	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 22:14	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 22:14	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 22:14	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 22:14	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 150*	*06/10/21 10:13*	*06/10/21 22:14*	*1*
2-Fluorobiphenyl	*57*		*42 - 127*	*06/10/21 10:13*	*06/10/21 22:14*	*1*
2-Fluorophenol (Surr)	*42*		*18 - 72*	*06/10/21 10:13*	*06/10/21 22:14*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 137*	*06/10/21 10:13*	*06/10/21 22:14*	*1*
Phenol-d5 (Surr)	*26*		*10 - 50*	*06/10/21 10:13*	*06/10/21 22:14*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 150*	*06/10/21 10:13*	*06/10/21 22:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	06/09/21 09:23	06/10/21 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:16*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:16*	*1*
Tetrachloro-m-xylene	*81*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:16*	*1*
Tetrachloro-m-xylene	*67*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:16*	*1*

Client Sample ID: WC-22 (0-5)
Date Collected: 06/07/21 10:05
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-8
Matrix: Solid
Percent Solids: 94.5

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 06:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 06:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 06:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 06:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 06:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:01*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:01*	*1*
Tetrachloro-m-xylene	*35*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:01*	*1*
Tetrachloro-m-xylene	*32*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:01*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.35	U	0.35	0.047	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1221	0.35	U	0.35	0.047	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1232	0.35	U	0.35	0.047	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1242	0.35	U	0.35	0.047	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1248	0.35	U	0.35	0.047	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1254	0.35	U	0.35	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1260	**3.1**		0.35	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor-1262	0.35	U	0.35	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Aroclor 1268	0.35	U	0.35	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5
Polychlorinated biphenyls, Total	**3.1**		0.35	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*06/09/21 09:18*	*06/10/21 15:18*	*5*
DCB Decachlorobiphenyl	*102*		*37 - 150*	*06/09/21 09:18*	*06/10/21 15:18*	*5*
Tetrachloro-m-xylene	*89*		*54 - 150*	*06/09/21 09:18*	*06/10/21 15:18*	*5*
Tetrachloro-m-xylene	*86*		*54 - 150*	*06/09/21 09:18*	*06/10/21 15:18*	*5*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	06/09/21 23:49	06/10/21 11:26	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	06/09/21 23:49	06/10/21 11:26	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	06/09/21 23:49	06/10/21 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*103*		*65 - 150*	*06/09/21 23:49*	*06/10/21 11:26*	*1*
2,4-Dichlorophenylacetic acid	*83*		*65 - 150*	*06/09/21 23:49*	*06/10/21 11:26*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 10:33	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:33*	*1*
2,4-Dichlorophenylacetic acid	*69*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:33*	*1*

Client Sample ID: WC-22 (0-5)
Date Collected: 06/07/21 10:05
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-8
Matrix: Solid
Percent Solids: 94.5

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**350**		2.1	2.1	mg/Kg	☼	06/09/21 10:50	06/10/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*40 - 140*	*06/09/21 10:50*	*06/10/21 12:23*	*1*
1-Chlorooctadecane	*124*		*40 - 140*	*06/09/21 10:50*	*06/10/21 12:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 15:58	5
Barium	**0.47**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 15:58	5
Cadmium	**0.0042**	**J**	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 15:58	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 15:58	5
Lead	**0.14**		0.050	0.012	mg/L		06/10/21 16:40	06/11/21 15:58	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 15:58	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 15:58	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4310**		20.2	2.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Antimony	**0.82**	**J**	1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Arsenic	**7.2**		1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Barium	**43.5**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Beryllium	**0.32**	**J**	0.40	0.057	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Cadmium	**0.50**	**J**	1.0	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Calcium	**5590**		101	17.1	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Chromium	**14.1**		2.0	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Cobalt	**5.5**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Copper	**84.7**		2.0	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Iron	**22500**		60.5	20.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Lead	**241**		0.60	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Magnesium	**2650**		101	10.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Manganese	**208**		4.0	0.41	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Nickel	**13.5**		2.0	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Potassium	**655**		101	11.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Selenium	**0.35**	**J**	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Silver	**0.13**	**J**	1.0	0.090	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Sodium	**1380**		101	15.7	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Thallium	**0.087**	**J**	0.40	0.041	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Vanadium	**21.0**		2.0	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1
Zinc	**150**		8.1	2.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:49	06/10/21 16:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.017	0.0039	mg/Kg	☼	06/10/21 03:54	06/10/21 09:07	1

Client Sample ID: WC-22 (0-5)
Lab Sample ID: 460-236042-8

Date Collected: 06/07/21 10:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 94.5

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**	**HF**			SU			06/13/21 12:28	1
Corrosivity	**8.3**	**HF**			SU			06/13/21 12:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.26**	**J**	0.47	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.22	U	0.22	0.12	mg/Kg	☼	06/11/21 16:14	06/13/21 14:43	1
Oil & Grease	**1830**		624	208	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**13.8**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**5.5**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**94.5**		1.0	1.0	%			06/09/21 10:43	1
Total Solids	**95.9**		0.10	0.10	%			06/10/21 15:19	1
Total Volatile Solids	**3.8**		0.10	0.10	%			06/10/21 15:19	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.3**				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			06/10/21 10:55	1
Temperature	**23.8**				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**211**		10.0	10.0	mg/L			06/10/21 16:03	1

Client Sample ID: WC-22C (1-3)
Lab Sample ID: 460-236042-9

Date Collected: 06/07/21 10:10
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 95.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00069	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-22C (1-3)
Date Collected: 06/07/21 10:10
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-9
Matrix: Solid
Percent Solids: 95.3

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00064	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00056	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
2-Hexanone	0.0075	U	0.0075	0.0026	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
4-Methyl-2-pentanone (MIBK)	0.0075	U	0.0075	0.0023	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Acetone	0.0091	U	0.0091	0.0086	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Bromoform	0.0015	U	0.0015	0.00064	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Carbon disulfide	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chloroethane	0.0015	U	0.0015	0.00079	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Chloromethane	0.0015	U	0.0015	0.00066	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Dichlorobromomethane	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00051	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Isopropylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Methyl acetate	0.0075	U	0.0075	0.0065	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Methylcyclohexane	0.0015	U	0.0015	0.00075	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Styrene	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00061	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	06/08/21 21:12	06/09/21 17:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:12*	*06/09/21 17:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*06/08/21 21:12*	*06/09/21 17:04*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*06/08/21 21:12*	*06/09/21 17:04*	*1*
Dibromofluoromethane (Surr)	*98*		*48 - 150*	*06/08/21 21:12*	*06/09/21 17:04*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*06/08/21 21:12*	*06/09/21 17:04*	*1*

Client Sample ID: WC-22C (1-3)
Lab Sample ID: 460-236042-9

Date Collected: 06/07/21 10:10
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 95.3

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/12/21 00:04	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/12/21 00:04	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/12/21 00:04	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/12/21 00:04	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/12/21 00:04	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/12/21 00:04	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/12/21 00:04	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/12/21 00:04	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/12/21 00:04	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/12/21 00:04	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/12/21 00:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 123*		*06/12/21 00:04*	*10*
4-Bromofluorobenzene	*74*	*	*76 - 120*		*06/12/21 00:04*	*10*
Dibromofluoromethane (Surr)	*83*		*77 - 124*		*06/12/21 00:04*	*10*
Toluene-d8 (Surr)	*77*	*	*80 - 120*		*06/12/21 00:04*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**95.3**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: WC-21_WC-22 (5-10)
Lab Sample ID: 460-236042-10

Date Collected: 06/07/21 10:40
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 92.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,4-Dinitrotoluene	0.072	U	0.072	0.039	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Nitroaniline	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
3-Nitroaniline	0.36	U	0.36	0.040	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21_WC-22 (5-10)
Date Collected: 06/07/21 10:40
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-10
Matrix: Solid
Percent Solids: 92.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Acenaphthylene	0.36	U	0.36	0.0036	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzo[a]anthracene	0.036	U	0.036	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Chrysene	0.36	U	0.36	0.0060	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Dibenzofuran	0.36	U	0.36	0.0050	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Fluorene	0.36	U	0.36	0.0049	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Nitrobenzene	0.036	U	0.036	0.0086	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Phenanthrene	0.36	U	0.36	0.0063	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	06/09/21 10:44	06/09/21 23:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*20*	*A J*	*mg/Kg*	☼	*3.54*		*06/09/21 10:44*	*06/09/21 23:37*	*1*

Client Sample ID: WC-21_WC-22 (5-10)
Lab Sample ID: 460-236042-10

Date Collected: 06/07/21 10:40
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 92.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.51	J	mg/Kg	☼	13.63		06/09/21 10:44	06/09/21 23:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		10 - 123	06/09/21 10:44	06/09/21 23:37	1
2-Fluorobiphenyl	69		14 - 103	06/09/21 10:44	06/09/21 23:37	1
2-Fluorophenol (Surr)	70		10 - 105	06/09/21 10:44	06/09/21 23:37	1
Nitrobenzene-d5 (Surr)	68		11 - 104	06/09/21 10:44	06/09/21 23:37	1
Phenol-d5 (Surr)	67		15 - 100	06/09/21 10:44	06/09/21 23:37	1
Terphenyl-d14 (Surr)	89		12 - 126	06/09/21 10:44	06/09/21 23:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 22:35	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 22:35	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 22:35	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 22:35	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 22:35	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 22:35	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 22:35	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 22:35	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 22:35	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 22:35	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 22:35	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		33 - 150	06/10/21 10:13	06/10/21 22:35	1
2-Fluorobiphenyl	55		42 - 127	06/10/21 10:13	06/10/21 22:35	1
2-Fluorophenol (Surr)	39		18 - 72	06/10/21 10:13	06/10/21 22:35	1
Nitrobenzene-d5 (Surr)	72		46 - 137	06/10/21 10:13	06/10/21 22:35	1
Phenol-d5 (Surr)	24		10 - 50	06/10/21 10:13	06/10/21 22:35	1
Terphenyl-d14 (Surr)	111		39 - 150	06/10/21 10:13	06/10/21 22:35	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Chlordane (technical)	0.072	U	0.072	0.018	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Dieldrin	**0.0039**		0.0022	0.00094	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21_WC-22 (5-10)

Date Collected: 06/07/21 10:40
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-10

Matrix: Solid
Percent Solids: 92.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Methoxychlor	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	06/09/21 09:23	06/10/21 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:31*	*1*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:31*	*1*
Tetrachloro-m-xylene	*82*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:31*	*1*
Tetrachloro-m-xylene	*75*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 06:13	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:13	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 06:13	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 06:13	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 06:13	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:13	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:13*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:13*	*1*
Tetrachloro-m-xylene	*31*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:13*	*1*
Tetrachloro-m-xylene	*30*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.0096	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1221	0.072	U	0.072	0.0096	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1232	0.072	U	0.072	0.0096	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1242	0.072	U	0.072	0.0096	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1248	0.072	U	0.072	0.0096	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1254	0.072	U	0.072	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1260	**0.13**		0.072	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor-1262	0.072	U	0.072	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Aroclor 1268	0.072	U	0.072	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1
Polychlorinated biphenyls, Total	**0.13**		0.072	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*37 - 150*	*06/09/21 09:18*	*06/10/21 11:47*	*1*
DCB Decachlorobiphenyl	*123*		*37 - 150*	*06/09/21 09:18*	*06/10/21 11:47*	*1*
Tetrachloro-m-xylene	*123*		*54 - 150*	*06/09/21 09:18*	*06/10/21 11:47*	*1*
Tetrachloro-m-xylene	*121*		*54 - 150*	*06/09/21 09:18*	*06/10/21 11:47*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/09/21 23:49	06/10/21 12:40	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/09/21 23:49	06/10/21 12:40	1

Client Sample ID: WC-21_WC-22 (5-10)
Lab Sample ID: 460-236042-10

Date Collected: 06/07/21 10:40
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 92.4

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/09/21 23:49	06/10/21 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:40*	*1*
2,4-Dichlorophenylacetic acid	*76*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:40*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 10:46	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:46*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*06/10/21 23:53*	*06/11/21 10:46*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**29**		2.2	2.2	mg/Kg	☼	06/09/21 10:50	06/10/21 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*130*		*40 - 140*	*06/09/21 10:50*	*06/10/21 10:24*	*1*
1-Chlorooctadecane	*136*		*40 - 140*	*06/09/21 10:50*	*06/10/21 10:24*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 16:02	5
Barium	**0.28**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 16:02	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 16:02	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 16:02	5
Lead	0.050	U	0.050	0.012	mg/L		06/10/21 16:40	06/11/21 16:02	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 16:02	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 16:02	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4440**		20.2	2.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Arsenic	**1.5**		1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Barium	**25.0**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Beryllium	**0.29**	**J**	0.40	0.058	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Cadmium	**0.11**	**J**	1.0	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Calcium	**1240**		101	17.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Chromium	**10.8**		2.0	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Cobalt	**4.2**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Copper	**14.8**		2.0	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Iron	**13800**		60.7	20.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Lead	**10.2**		0.61	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Magnesium	**1720**		101	10.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Manganese	**286**		4.0	0.41	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Nickel	**9.6**		2.0	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Potassium	**754**		101	11.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1

Client Sample ID: WC-21_WC-22 (5-10)
Date Collected: 06/07/21 10:40
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-10
Matrix: Solid
Percent Solids: 92.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Silver	1.0	U	1.0	0.090	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Sodium	**760**		101	15.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Thallium	**0.052**	**J**	0.40	0.041	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Vanadium	**14.6**		2.0	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1
Zinc	**24.7**		8.1	2.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:49	06/10/21 16:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.016	0.0039	mg/Kg	☼	06/10/21 03:54	06/10/21 09:09	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			06/16/21 13:50	1
Corrosivity	**8.5**	**HF**			SU			06/16/21 13:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.23	U	0.23	0.13	mg/Kg	☼	06/11/21 16:14	06/13/21 14:44	1
Oil & Grease	652	U	652	217	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**10.8**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**7.6**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**92.4**		1.0	1.0	%			06/09/21 10:43	1
Total Solids	**93.5**		0.10	0.10	%			06/10/21 15:19	1
Total Volatile Solids	**1.2**		0.10	0.10	%			06/10/21 15:19	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/10/21 10:55	1
Temperature	**23.8**				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**10.3**		10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**143**		11.1	11.1	mg/L			06/10/21 16:03	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21_WC-22 (10-18)
Date Collected: 06/07/21 11:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-11
Matrix: Solid
Percent Solids: 85.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.0052	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.0070	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4-Dimethylphenol	0.39	U	0.39	0.017	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Nitroaniline	0.39	U	0.39	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
3-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Acenaphthylene	0.39	U	0.39	0.0039	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzo[a]anthracene	0.039	U	0.039	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.011	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0076	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Chrysene	0.39	U	0.39	0.0066	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Dibenzofuran	0.39	U	0.39	0.0055	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Diethyl phthalate	0.39	U	0.39	0.0056	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21_WC-22 (10-18)
Date Collected: 06/07/21 11:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-11
Matrix: Solid
Percent Solids: 85.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Fluorene	0.39	U	0.39	0.0053	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Nitrobenzene	0.039	U	0.039	0.0093	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Phenanthrene	0.39	U	0.39	0.0068	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1
Pyrene	0.39	U	0.39	0.0097	mg/Kg	☼	06/09/21 10:44	06/09/21 22:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*6.3*	*A J*	*mg/Kg*	☼	*3.55*		*06/09/21 10:44*	*06/09/21 22:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*38*		*10 - 123*	*06/09/21 10:44*	*06/09/21 22:04*	*1*
2-Fluorobiphenyl	*56*		*14 - 103*	*06/09/21 10:44*	*06/09/21 22:04*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 105*	*06/09/21 10:44*	*06/09/21 22:04*	*1*
Nitrobenzene-d5 (Surr)	*55*		*11 - 104*	*06/09/21 10:44*	*06/09/21 22:04*	*1*
Phenol-d5 (Surr)	*55*		*15 - 100*	*06/09/21 10:44*	*06/09/21 22:04*	*1*
Terphenyl-d14 (Surr)	*72*		*12 - 126*	*06/09/21 10:44*	*06/09/21 22:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 22:56	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 22:56	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 22:56	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 22:56	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 22:56	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 22:56	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 22:56	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 22:56	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 22:56	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 22:56	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 22:56	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*33 - 150*	*06/10/21 10:13*	*06/10/21 22:56*	*1*
2-Fluorobiphenyl	*67*		*42 - 127*	*06/10/21 10:13*	*06/10/21 22:56*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*06/10/21 10:13*	*06/10/21 22:56*	*1*

Client Sample ID: WC-21_WC-22 (10-18) — **Lab Sample ID: 460-236042-11**
Date Collected: 06/07/21 11:00 — **Matrix: Solid**
Date Received: 06/07/21 19:00 — **Percent Solids: 85.2**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*06/10/21 10:13*	*06/10/21 22:56*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*06/10/21 10:13*	*06/10/21 22:56*	*1*
Terphenyl-d14 (Surr)	*100*		*39 - 150*	*06/10/21 10:13*	*06/10/21 22:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0079	U	0.0079	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
4,4'-DDE	0.0079	U	0.0079	0.00093	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
4,4'-DDT	0.0079	U	0.0079	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Aldrin	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
alpha-BHC	0.0023	U	0.0023	0.00080	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Chlordane (technical)	0.079	U	0.079	0.019	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endosulfan I	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endosulfan II	0.0079	U	0.0079	0.0020	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endosulfan sulfate	0.0079	U	0.0079	0.00099	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endrin	0.0079	U	0.0079	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endrin aldehyde	0.0079	U	0.0079	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Endrin ketone	0.0079	U	0.0079	0.0015	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00073	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Heptachlor	0.0079	U	0.0079	0.00093	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Heptachlor epoxide	0.0079	U	0.0079	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Methoxychlor	0.0079	U	0.0079	0.0018	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1
Toxaphene	0.079	U	0.079	0.028	mg/Kg	☼	06/09/21 09:23	06/10/21 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*70*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:45*	*1*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*06/09/21 09:23*	*06/10/21 06:45*	*1*
Tetrachloro-m-xylene	*72*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:45*	*1*
Tetrachloro-m-xylene	*69*		*10 - 133*	*06/09/21 09:23*	*06/10/21 06:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 06:25	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:25	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 06:25	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 06:25	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 06:25	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:25	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*52*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:25*	*1*
DCB Decachlorobiphenyl	*56*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:25*	*1*
Tetrachloro-m-xylene	*30*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:25*	*1*
Tetrachloro-m-xylene	*30*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:25*	*1*

Client Sample ID: WC-21_WC-22 (10-18)
Date Collected: 06/07/21 11:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-11
Matrix: Solid
Percent Solids: 85.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.079	U	0.079	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1221	0.079	U	0.079	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1232	0.079	U	0.079	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1242	0.079	U	0.079	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1248	0.079	U	0.079	0.010	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1254	0.079	U	0.079	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1260	0.079	U	0.079	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor-1262	0.079	U	0.079	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Aroclor 1268	0.079	U	0.079	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1
Polychlorinated biphenyls, Total	0.079	U	0.079	0.011	mg/Kg	☼	06/09/21 09:18	06/10/21 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*37 - 150*	*06/09/21 09:18*	*06/10/21 12:02*	*1*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*06/09/21 09:18*	*06/10/21 12:02*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*06/09/21 09:18*	*06/10/21 12:02*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*06/09/21 09:18*	*06/10/21 12:02*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.039	U	0.039	0.0083	mg/Kg	☼	06/09/21 23:49	06/10/21 12:55	1
2,4-D	0.039	U	0.039	0.014	mg/Kg	☼	06/09/21 23:49	06/10/21 12:55	1
Silvex (2,4,5-TP)	0.039	U	0.039	0.0041	mg/Kg	☼	06/09/21 23:49	06/10/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*71*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:55*	*1*
2,4-Dichlorophenylacetic acid	*75*		*65 - 150*	*06/09/21 23:49*	*06/10/21 12:55*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 11:00	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*28 - 150*	*06/10/21 23:53*	*06/11/21 11:00*	*1*
2,4-Dichlorophenylacetic acid	*65*		*28 - 150*	*06/10/21 23:53*	*06/11/21 11:00*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.3	U	2.3	2.3	mg/Kg	☼	06/09/21 10:50	06/10/21 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*40 - 140*	*06/09/21 10:50*	*06/10/21 10:07*	*1*
1-Chlorooctadecane	*110*		*40 - 140*	*06/09/21 10:50*	*06/10/21 10:07*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 16:06	5
Barium	**0.38**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 16:06	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 16:06	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 16:06	5
Lead	0.050	U	0.050	0.012	mg/L		06/10/21 16:40	06/11/21 16:06	5

Client Sample ID: WC-21_WC-22 (10-18)
Lab Sample ID: 460-236042-11

Date Collected: 06/07/21 11:00
Matrix: Solid

Date Received: 06/07/21 19:00
Percent Solids: 85.2

Method: 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 16:06	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 16:06	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3270**		22.3	2.9	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Antimony	1.1	U	1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Arsenic	**1.0**	**J**	1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Barium	**98.9**		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Beryllium	**0.20**	**J**	0.45	0.064	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Cadmium	1.1	U	1.1	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Calcium	**3410**		112	19.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Chromium	**7.4**		2.2	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Cobalt	**3.3**		2.2	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Copper	**8.8**		2.2	0.25	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Iron	**7450**		67.0	22.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Lead	**3.0**		0.67	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Magnesium	**3120**		112	11.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Manganese	**933**		4.5	0.45	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Nickel	**9.5**		2.2	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Potassium	**679**		112	12.5	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Selenium	1.4	U	1.4	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Silver	1.1	U	1.1	0.099	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Sodium	**293**		112	17.4	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Thallium	0.45	U	0.45	0.046	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Vanadium	**11.3**		2.2	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1
Zinc	**18.5**		8.9	2.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:48	06/10/21 15:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0066**	**J**	0.020	0.0047	mg/Kg	☼	06/10/21 03:54	06/10/21 09:15	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**HF**			SU			06/16/21 13:52	1
Corrosivity	**8.4**	**HF**			SU			06/16/21 13:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	06/11/21 16:14	06/13/21 14:45	1
Oil & Grease	682	U	682	227	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	**7.4**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1

Client Sample ID: WC-21_WC-22 (10-18)
Lab Sample ID: 460-236042-11
Date Collected: 06/07/21 11:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 85.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.8		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	85.2		1.0	1.0	%			06/09/21 10:43	1
Total Solids	85.9		0.10	0.10	%			06/10/21 15:19	1
Total Volatile Solids	0.80		0.10	0.10	%			06/10/21 15:19	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.2				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.0				S.U.			06/10/21 10:55	1
Temperature	23.8				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	78.0		10.0	10.0	mg/L			06/10/21 16:03	1

Client Sample ID: WC-21D_(15-17)
Lab Sample ID: 460-236042-12
Date Collected: 06/07/21 11:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 86.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
2-Butanone (MEK)	0.0061	U	0.0061	0.00045	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Acetone	0.0073	U	0.0073	0.0070	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1

Client Sample ID: WC-21D_(15-17)
Date Collected: 06/07/21 11:05
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-12
Matrix: Solid
Percent Solids: 86.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Methyl acetate	0.0061	U	0.0061	0.0053	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	06/08/21 21:13	06/09/21 17:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:13*	*06/09/21 17:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*	*06/08/21 21:13*	*06/09/21 17:28*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*06/08/21 21:13*	*06/09/21 17:28*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*06/08/21 21:13*	*06/09/21 17:28*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*	*06/08/21 21:13*	*06/09/21 17:28*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 14:43	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 14:43	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 14:43	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 14:43	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 14:43	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 14:43	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 14:43	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 14:43	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 14:43	10

Client Sample ID: WC-21D_(15-17)
Lab Sample ID: 460-236042-12
Date Collected: 06/07/21 11:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 86.5

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 14:43	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 14:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*06/10/21 14:43*	*10*
4-Bromofluorobenzene	*89*		*76 - 120*		*06/10/21 14:43*	*10*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*06/10/21 14:43*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/10/21 14:43*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**86.5**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: WC-25 (0-5)
Lab Sample ID: 460-236042-13
Date Collected: 06/07/21 11:15
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0065	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Methylnaphthalene	**0.037**	**J**	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Acenaphthene	**0.013**	**J**	0.36	0.010	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Acenaphthylene	**0.068**	**J**	0.36	0.0036	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1

Client Sample ID: WC-25 (0-5)
Date Collected: 06/07/21 11:15
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-13
Matrix: Solid
Percent Solids: 91.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Anthracene	**0.13**	**J**	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzo[a]anthracene	**0.29**		0.036	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzo[a]pyrene	**0.33**		0.036	0.0096	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzo[b]fluoranthene	**0.48**		0.036	0.0093	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzo[g,h,i]perylene	**0.25**	**J**	0.36	0.011	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Benzo[k]fluoranthene	**0.17**		0.036	0.0071	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Bis(2-ethylhexyl) phthalate	**0.081**	**J**	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Butyl benzyl phthalate	**0.11**	**J**	0.36	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Carbazole	**0.027**	**J**	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Chrysene	**0.31**	**J**	0.36	0.0061	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Dibenz(a,h)anthracene	**0.079**		0.036	0.016	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Dibenzofuran	**0.028**	**J**	0.36	0.0051	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Diethyl phthalate	0.36	U	0.36	0.0052	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Fluoranthene	**0.45**		0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Fluorene	**0.026**	**J**	0.36	0.0049	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Indeno[1,2,3-cd]pyrene	**0.28**		0.036	0.014	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Naphthalene	**0.044**	**J**	0.36	0.0062	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Phenanthrene	**0.26**	**J**	0.36	0.0064	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1
Pyrene	**0.44**		0.36	0.0090	mg/Kg	☼	06/09/21 10:44	06/10/21 02:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
3-Penten-2-one, 4-methyl-	*42*	*J N*	*mg/Kg*	☼	*3.20*	*141-79-7*	*06/09/21 10:44*	*06/10/21 02:44*	*1*
Aldol condensation product	*180*	*A J*	*mg/Kg*	☼	*3.59*		*06/09/21 10:44*	*06/10/21 02:44*	*1*
2-Pentanone, 4-methoxy-4-methyl-	*0.69*	*J N*	*mg/Kg*	☼	*4.12*	*107-70-0*	*06/09/21 10:44*	*06/10/21 02:44*	*1*
Unknown	*0.63*	*J*	*mg/Kg*	☼	*5.81*		*06/09/21 10:44*	*06/10/21 02:44*	*1*
Phenanthrene, 1-methyl-	*0.38*	*J N*	*mg/Kg*	☼	*9.72*	*832-69-9*	*06/09/21 10:44*	*06/10/21 02:44*	*1*
Unknown	*0.60*	*J*	*mg/Kg*	☼	*9.98*		*06/09/21 10:44*	*06/10/21 02:44*	*1*
1,1'-Biphenyl, 2,3,3',4,4'-pentachloro-	*1.4*	*J N*	*mg/Kg*	☼	*11.01*	*32598-14-4*	*06/09/21 10:44*	*06/10/21 02:44*	*1*
Unknown	*0.60*	*J*	*mg/Kg*	☼	*11.19*		*06/09/21 10:44*	*06/10/21 02:44*	*1*
Unknown	*0.46*	*J*	*mg/Kg*	☼	*11.43*		*06/09/21 10:44*	*06/10/21 02:44*	*1*
Unknown	*0.81*	*J*	*mg/Kg*	☼	*11.76*		*06/09/21 10:44*	*06/10/21 02:44*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-25 (0-5)
Date Collected: 06/07/21 11:15
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-13
Matrix: Solid
Percent Solids: 91.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.36	J	mg/Kg	☼	12.20		06/09/21 10:44	06/10/21 02:44	1
Unknown	0.98	J	mg/Kg	☼	13.27		06/09/21 10:44	06/10/21 02:44	1
Unknown	0.75	J	mg/Kg	☼	14.63		06/09/21 10:44	06/10/21 02:44	1
Unknown	0.78	J	mg/Kg	☼	15.07		06/09/21 10:44	06/10/21 02:44	1
Unknown	0.78	J	mg/Kg	☼	17.40		06/09/21 10:44	06/10/21 02:44	1
Unknown	0.70	J	mg/Kg	☼	17.77		06/09/21 10:44	06/10/21 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		10 - 123	06/09/21 10:44	06/10/21 02:44	1
2-Fluorobiphenyl	65		14 - 103	06/09/21 10:44	06/10/21 02:44	1
2-Fluorophenol (Surr)	60		10 - 105	06/09/21 10:44	06/10/21 02:44	1
Nitrobenzene-d5 (Surr)	62		11 - 104	06/09/21 10:44	06/10/21 02:44	1
Phenol-d5 (Surr)	61		15 - 100	06/09/21 10:44	06/10/21 02:44	1
Terphenyl-d14 (Surr)	67		12 - 126	06/09/21 10:44	06/10/21 02:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 23:17	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 23:17	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 23:17	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 23:17	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 23:17	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 23:17	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 23:17	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 23:17	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 23:17	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 23:17	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 23:17	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		33 - 150	06/10/21 10:13	06/10/21 23:17	1
2-Fluorobiphenyl	70		42 - 127	06/10/21 10:13	06/10/21 23:17	1
2-Fluorophenol (Surr)	47		18 - 72	06/10/21 10:13	06/10/21 23:17	1
Nitrobenzene-d5 (Surr)	86		46 - 137	06/10/21 10:13	06/10/21 23:17	1
Phenol-d5 (Surr)	28		10 - 50	06/10/21 10:13	06/10/21 23:17	1
Terphenyl-d14 (Surr)	105		39 - 150	06/10/21 10:13	06/10/21 23:17	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1

Client Sample ID: WC-25 (0-5)
Lab Sample ID: 460-236042-13
Date Collected: 06/07/21 11:15
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	06/09/21 09:23	06/10/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/09/21 09:23*	*06/10/21 07:00*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/09/21 09:23*	*06/10/21 07:00*	*1*
Tetrachloro-m-xylene	*76*		*10 - 133*	*06/09/21 09:23*	*06/10/21 07:00*	*1*
Tetrachloro-m-xylene	*47*		*10 - 133*	*06/09/21 09:23*	*06/10/21 07:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 06:38	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:38	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 06:38	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 06:38	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 06:38	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 06:38	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:38*	*1*
DCB Decachlorobiphenyl	*47*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:38*	*1*
Tetrachloro-m-xylene	*26*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:38*	*1*
Tetrachloro-m-xylene	*23*		*10 - 150*	*06/10/21 10:16*	*06/11/21 06:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.37	U	0.37	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1221	0.37	U	0.37	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1232	0.37	U	0.37	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1242	0.37	U	0.37	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1248	0.37	U	0.37	0.049	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1254	0.37	U	0.37	0.050	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1260	**3.5**		0.37	0.050	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor-1262	0.37	U	0.37	0.050	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Aroclor 1268	0.37	U	0.37	0.050	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5
Polychlorinated biphenyls, Total	**3.5**		0.37	0.050	mg/Kg	☼	06/09/21 09:18	06/10/21 15:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*37 - 150*	*06/09/21 09:18*	*06/10/21 15:34*	*5*
DCB Decachlorobiphenyl	*92*		*37 - 150*	*06/09/21 09:18*	*06/10/21 15:34*	*5*
Tetrachloro-m-xylene	*81*		*54 - 150*	*06/09/21 09:18*	*06/10/21 15:34*	*5*
Tetrachloro-m-xylene	*72*		*54 - 150*	*06/09/21 09:18*	*06/10/21 15:34*	*5*

Client Sample ID: WC-25 (0-5)
Date Collected: 06/07/21 11:15
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-13
Matrix: Solid
Percent Solids: 91.5

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/09/21 23:49	06/10/21 11:41	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/09/21 23:49	06/10/21 11:41	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/09/21 23:49	06/10/21 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*65 - 150*	*06/09/21 23:49*	*06/10/21 11:41*	*1*
2,4-Dichlorophenylacetic acid	*79*		*65 - 150*	*06/09/21 23:49*	*06/10/21 11:41*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 11:13	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*06/10/21 23:53*	*06/11/21 11:13*	*1*
2,4-Dichlorophenylacetic acid	*69*		*28 - 150*	*06/10/21 23:53*	*06/11/21 11:13*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**660**		4.4	4.4	mg/Kg	☼	06/09/21 10:50	06/10/21 13:54	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:54*	*2*
1-Chlorooctadecane	*113*		*40 - 140*	*06/09/21 10:50*	*06/10/21 13:54*	*2*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 16:11	5
Barium	**0.49**	**J**	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 16:11	5
Cadmium	**0.0083**	**J**	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 16:11	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 16:11	5
Lead	**0.072**		0.050	0.012	mg/L		06/10/21 16:40	06/11/21 16:11	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 16:11	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 16:11	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4480**		20.0	2.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Antimony	**1.5**		1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Arsenic	**6.6**		1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Barium	**49.7**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Beryllium	**0.29**	**J**	0.40	0.057	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Cadmium	**0.85**	**J**	1.0	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Calcium	**8620**		100	17.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Chromium	**16.3**		2.0	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Cobalt	**5.9**		2.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Copper	**104**		2.0	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Iron	**19800**		60.1	20.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Lead	**183**		0.60	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Magnesium	**4160**		100	10.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Manganese	**233**		4.0	0.40	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1

Client Sample ID: WC-25 (0-5)
Date Collected: 06/07/21 11:15
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-13
Matrix: Solid
Percent Solids: 91.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	15.7		2.0	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Potassium	799		100	11.2	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Selenium	0.36	J	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Silver	0.17	J	1.0	0.089	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Sodium	597		100	15.6	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Thallium	0.11	J	0.40	0.041	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Vanadium	22.8		2.0	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1
Zinc	91.1		8.0	2.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:49	06/10/21 16:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.018	0.0042	mg/Kg	☼	06/10/21 03:54	06/10/21 09:17	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.0	HF			SU			06/16/21 13:54	1
Corrosivity	10.0	HF			SU			06/16/21 13:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.83		0.47	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	06/11/21 16:14	06/13/21 14:49	1
Oil & Grease	2990		661	220	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/09/21 12:56	1
Cr (III)	15.5		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	8.5		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	91.5		1.0	1.0	%			06/09/21 10:43	1
Total Solids	92.7		0.10	0.10	%			06/10/21 15:19	1
Total Volatile Solids	4.0		0.10	0.10	%			06/10/21 15:19	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.4				S.U.			06/10/21 10:55	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.2				S.U.			06/10/21 10:55	1
Temperature	23.8				Degrees C			06/10/21 10:55	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	3.2	J	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:28	1

Client Sample ID: WC-25 (0-5)
Lab Sample ID: 460-236042-13

Date Collected: 06/07/21 11:15
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**154**		10.0	10.0	mg/L			06/10/21 16:03	1

Client Sample ID: WC-25D (1-3)
Lab Sample ID: 460-236042-14

Date Collected: 06/07/21 11:20
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0022	U	0.0022	0.00052	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,1,2,2-Tetrachloroethane	0.0022	U	0.0022	0.00048	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,1,2-Trichloroethane	0.0022	U	0.0022	0.00040	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,1-Dichloroethane	0.0022	U	0.0022	0.00046	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,1-Dichloroethene	0.0022	U	0.0022	0.00050	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2,3-Trichlorobenzene	0.0022	U	0.0022	0.00040	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2,4-Trichlorobenzene	0.0022	U	0.0022	0.00080	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2-Dibromo-3-Chloropropane	0.0022	U	0.0022	0.0010	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2-Dichlorobenzene	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2-Dichloroethane	0.0022	U	0.0022	0.00066	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,2-Dichloropropane	0.0022	U	0.0022	0.00094	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,3-Dichlorobenzene	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
1,4-Dichlorobenzene	0.0022	U	0.0022	0.00050	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
2-Butanone (MEK)	0.011	U	0.011	0.00082	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
2-Hexanone	0.011	U	0.011	0.0038	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
4-Methyl-2-pentanone (MIBK)	0.011	U	0.011	0.0035	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Acetone	**0.024**		0.013	0.013	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Benzene	0.0022	U	0.0022	0.00058	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Bromoform	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Bromomethane	0.0045	U	0.0045	0.0022	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Carbon disulfide	0.0022	U	0.0022	0.00059	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Carbon tetrachloride	0.0022	U	0.0022	0.00086	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chlorobenzene	0.0022	U	0.0022	0.00039	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chlorobromomethane	0.0022	U	0.0022	0.00063	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chlorodibromomethane	0.0022	U	0.0022	0.00043	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chloroethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chloroform	0.0022	U	0.0022	0.0022	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Chloromethane	0.0022	U	0.0022	0.00097	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
cis-1,2-Dichloroethene	0.0022	U	0.0022	0.00080	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
cis-1,3-Dichloropropene	0.0022	U	0.0022	0.00061	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Cyclohexane	0.0022	U	0.0022	0.00049	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Dichlorobromomethane	0.0022	U	0.0022	0.00057	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Dichlorodifluoromethane	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Ethylbenzene	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Ethylene Dibromide	0.0022	U	0.0022	0.00040	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Isopropylbenzene	0.0022	U	0.0022	0.00064	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Methyl acetate	0.011	U	0.011	0.0096	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Methyl tert-butyl ether	0.0022	U	0.0022	0.0011	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Methylcyclohexane	0.0022	U	0.0022	0.0011	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Methylene Chloride	0.0045	U	0.0045	0.0026	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
m-Xylene & p-Xylene	0.0022	U	0.0022	0.00039	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1

Client Sample ID: WC-25D (1-3)
Date Collected: 06/07/21 11:20
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-14
Matrix: Solid
Percent Solids: 91.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.0022	U	0.0022	0.00043	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Styrene	0.0022	U	0.0022	0.00062	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Tetrachloroethene	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Toluene	0.0022	U	0.0022	0.00052	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
trans-1,2-Dichloroethene	0.0022	U	0.0022	0.00055	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
trans-1,3-Dichloropropene	0.0022	U	0.0022	0.00059	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Trichloroethene	0.0022	U	0.0022	0.00072	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Trichlorofluoromethane	0.0022	U	0.0022	0.00091	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1
Vinyl chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	06/08/21 21:14	06/09/21 17:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/08/21 21:14*	*06/09/21 17:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*06/08/21 21:14*	*06/09/21 17:50*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*	*06/08/21 21:14*	*06/09/21 17:50*	*1*
Dibromofluoromethane (Surr)	*93*		*48 - 150*	*06/08/21 21:14*	*06/09/21 17:50*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*06/08/21 21:14*	*06/09/21 17:50*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 15:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 15:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 15:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 15:06	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 15:06	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 15:06	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 15:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 15:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 15:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 15:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 15:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*06/10/21 15:06*	*10*
4-Bromofluorobenzene	*78*		*76 - 120*		*06/10/21 15:06*	*10*
Dibromofluoromethane (Surr)	*88*		*77 - 124*		*06/10/21 15:06*	*10*
Toluene-d8 (Surr)	*85*		*80 - 120*		*06/10/21 15:06*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		1.0	1.0	%			06/09/21 10:43	1
Percent Solids	**91.5**		1.0	1.0	%			06/09/21 10:43	1

Client Sample ID: SP-2_WC-11_12_13
Date Collected: 06/08/21 09:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-1
Matrix: Solid
Percent Solids: 87.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.017**	**J**	0.38	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-2_WC-11_12_13
Date Collected: 06/08/21 09:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-1
Matrix: Solid
Percent Solids: 87.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0068	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Chloronaphthalene	0.38	U	0.38	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Methylnaphthalene	**0.082**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
3-Nitroaniline	0.38	U	0.38	0.042	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Acenaphthene	**0.029**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Acenaphthylene	**0.037**	**J**	0.38	0.0038	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Anthracene	**0.090**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzaldehyde	0.38	U	0.38	0.062	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzo[a]anthracene	**0.39**		0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzo[a]pyrene	**0.41**		0.038	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzo[b]fluoranthene	**0.67**		0.038	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzo[g,h,i]perylene	**0.29**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Benzo[k]fluoranthene	**0.33**		0.038	0.0074	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.029	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Carbazole	**0.047**	**J**	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Chrysene	**0.42**		0.38	0.0064	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Dibenz(a,h)anthracene	**0.086**		0.038	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Dibenzofuran	**0.058**	**J**	0.38	0.0053	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1

Client Sample ID: SP-2_WC-11_12_13
Date Collected: 06/08/21 09:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-1
Matrix: Solid
Percent Solids: 87.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	**0.019**	**J**	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Fluoranthene	**0.64**		0.38	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Fluorene	**0.029**	**J**	0.38	0.0051	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Indeno[1,2,3-cd]pyrene	**0.31**		0.038	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Naphthalene	**0.086**	**J**	0.38	0.0065	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Nitrobenzene	0.038	U	0.038	0.0090	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Phenanthrene	**0.40**		0.38	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1
Pyrene	**0.63**		0.38	0.0094	mg/Kg	☼	06/11/21 23:53	06/12/21 14:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.92*	*A J*	*mg/Kg*	☼	*2.61*		*06/11/21 23:53*	*06/12/21 14:23*	*1*
1-Methylnaphthalene	*0.053*	*J*	*mg/Kg*	☼	*6.15*	*90-12-0*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
1,3-Dimethylnaphthalene	*0.056*	*J*	*mg/Kg*	☼	*6.73*	*575-41-7*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
n-Octadecane	*0.042*	*J*	*mg/Kg*	☼	*8.35*	*593-45-3*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
Benzo[e]pyrene	*0.41*	*J N*	*mg/Kg*	☼	*12.71*	*192-97-2*	*06/11/21 23:53*	*06/12/21 14:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 123*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
2-Fluorobiphenyl	*78*		*14 - 103*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 105*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
Nitrobenzene-d5 (Surr)	*75*		*11 - 104*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
Phenol-d5 (Surr)	*79*		*15 - 100*	*06/11/21 23:53*	*06/12/21 14:23*	*1*
Terphenyl-d14 (Surr)	*94*		*12 - 126*	*06/11/21 23:53*	*06/12/21 14:23*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/14/21 00:24	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/14/21 00:24	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/14/21 00:24	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/14/21 00:24	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/14/21 00:24	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/14/21 00:24	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/14/21 00:24	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/14/21 00:24	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/14/21 00:24	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/14/21 00:24	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/14/21 00:24	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/14/21 00:24	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-2_WC-11_12_13
Date Collected: 06/08/21 09:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-1
Matrix: Solid
Percent Solids: 87.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	101		33 - 150	06/13/21 07:54	06/14/21 00:24	1
2-Fluorobiphenyl	64		42 - 127	06/13/21 07:54	06/14/21 00:24	1
2-Fluorophenol (Surr)	45		18 - 72	06/13/21 07:54	06/14/21 00:24	1
Nitrobenzene-d5 (Surr)	66		46 - 137	06/13/21 07:54	06/14/21 00:24	1
Phenol-d5 (Surr)	29		10 - 50	06/13/21 07:54	06/14/21 00:24	1
Terphenyl-d14 (Surr)	90		39 - 150	06/13/21 07:54	06/14/21 00:24	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Aldrin	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endosulfan sulfate	0.0076	U	0.0076	0.00096	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	☼	06/10/21 09:49	06/11/21 08:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	638	*	10 - 150	06/10/21 09:49	06/11/21 08:51	1
DCB Decachlorobiphenyl	261	*	10 - 150	06/10/21 09:49	06/11/21 08:51	1
Tetrachloro-m-xylene	51		10 - 133	06/10/21 09:49	06/11/21 08:51	1
Tetrachloro-m-xylene	54		10 - 133	06/10/21 09:49	06/11/21 08:51	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 06:16	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:16	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 06:16	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 06:16	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 06:16	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:16	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 06:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 150	06/13/21 13:58	06/15/21 06:16	1
DCB Decachlorobiphenyl	65		10 - 150	06/13/21 13:58	06/15/21 06:16	1
Tetrachloro-m-xylene	72		10 - 150	06/13/21 13:58	06/15/21 06:16	1
Tetrachloro-m-xylene	66		10 - 150	06/13/21 13:58	06/15/21 06:16	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-2_WC-11_12_13
Date Collected: 06/08/21 09:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-1
Matrix: Solid
Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1260	**0.19**		0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1
Polychlorinated biphenyls, Total	**0.19**		0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*184*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 14:11*	*1*
DCB Decachlorobiphenyl	*164*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 14:11*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*06/10/21 09:41*	*06/11/21 14:11*	*1*
Tetrachloro-m-xylene	*90*		*54 - 150*	*06/10/21 09:41*	*06/11/21 14:11*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	06/10/21 23:54	06/11/21 10:52	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/10/21 23:54	06/11/21 10:52	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	06/10/21 23:54	06/11/21 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*		*65 - 150*	*06/10/21 23:54*	*06/11/21 10:52*	*1*
2,4-Dichlorophenylacetic acid	*90*		*65 - 150*	*06/10/21 23:54*	*06/11/21 10:52*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 12:43	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*44*		*28 - 150*	*06/13/21 23:40*	*06/14/21 12:43*	*1*
2,4-Dichlorophenylacetic acid	*54*		*28 - 150*	*06/13/21 23:40*	*06/14/21 12:43*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**380**		2.3	2.3	mg/Kg	☼	06/10/21 10:18	06/11/21 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*144*	*	*40 - 140*	*06/10/21 10:18*	*06/11/21 10:35*	*1*
1-Chlorooctadecane	*78*		*40 - 140*	*06/10/21 10:18*	*06/11/21 10:35*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:05	5
Barium	**0.59**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:05	5
Cadmium	**0.0030**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:05	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:05	5
Lead	**0.083**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:05	5

Client Sample ID: SP-2_WC-11_12_13
Lab Sample ID: 460-236101-1

Date Collected: 06/08/21 09:00
Matrix: Solid

Date Received: 06/08/21 19:00
Percent Solids: 87.8

Method: 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:05	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:05	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		21.5	2.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Antimony	**1.1**		1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Arsenic	**7.3**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Barium	**60.4**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Beryllium	**0.31**	**J**	0.43	0.061	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Cadmium	**0.43**	**J**	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Calcium	**9220**		107	18.3	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Chromium	**18.7**		2.1	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Cobalt	**6.5**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Copper	**106**		2.1	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Iron	**18100**		64.5	21.7	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Lead	**160**		0.64	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Magnesium	**5530**		107	11.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Manganese	**225**		4.3	0.43	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Nickel	**17.6**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Potassium	**1260**		107	12.0	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Selenium	**0.57**	**J**	1.3	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Silver	**0.21**	**J**	1.1	0.096	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Sodium	**186**		107	16.8	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Thallium	**0.13**	**J**	0.43	0.044	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Vanadium	**42.6**		2.1	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1
Zinc	**148**		8.6	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 11:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.089**		0.018	0.0042	mg/Kg	☼	06/11/21 03:05	06/11/21 07:53	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**			SU			06/17/21 13:52	1
Corrosivity	**8.2**	**HF**			SU			06/17/21 13:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	**0.22**	**J**	0.23	0.12	mg/Kg	☼	06/11/21 16:14	06/13/21 14:55	1
Oil & Grease	**791**		669	223	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**18.7**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1

Client Sample ID: SP-2_WC-11_12_13
Lab Sample ID: 460-236101-1
Date Collected: 06/08/21 09:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 87.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.2		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	87.8		1.0	1.0	%			06/10/21 08:46	1
Total Solids	87.2		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	5.3		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.2				S.U.			06/11/21 10:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.4				S.U.			06/12/21 10:00	1
Temperature	23.0				Degrees C			06/12/21 10:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	101		10.0	10.0	mg/L			06/11/21 14:19	1

Client Sample ID: SP-2_WC-11_VOC
Lab Sample ID: 460-236101-2
Date Collected: 06/08/21 09:05
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 85.6

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0018	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Acetone	0.0068	U	0.0068	0.0064	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1

Client Sample ID: SP-2_WC-11_VOC
Lab Sample ID: 460-236101-2

Date Collected: 06/08/21 09:05
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 85.6

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Methylene Chloride	**0.0061**		0.0023	0.0013	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Trichloroethene	**0.0012**		0.0011	0.00036	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	06/09/21 19:26	06/10/21 02:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/09/21 19:26*	*06/10/21 02:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*	*06/09/21 19:26*	*06/10/21 02:33*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*06/09/21 19:26*	*06/10/21 02:33*	*1*
Dibromofluoromethane (Surr)	*94*		*48 - 150*	*06/09/21 19:26*	*06/10/21 02:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*06/09/21 19:26*	*06/10/21 02:33*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 16:24	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 16:24	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 16:24	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 16:24	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 16:24	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 16:24	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 16:24	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 16:24	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 16:24	10

Client Sample ID: SP-2_WC-11_VOC
Lab Sample ID: 460-236101-2
Date Collected: 06/08/21 09:05
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 85.6

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 16:24	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 16:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 123*		*06/11/21 16:24*	*10*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/11/21 16:24*	*10*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*06/11/21 16:24*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/11/21 16:24*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.4**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**85.6**		1.0	1.0	%			06/10/21 08:46	1

Client Sample ID: SP-4_WC-14_15
Lab Sample ID: 460-236101-3
Date Collected: 06/08/21 09:10
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.022**	**J**	0.36	0.0048	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Methylnaphthalene	**0.098**	**J**	0.36	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Acenaphthene	**0.019**	**J**	0.36	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Acenaphthylene	**0.017**	**J**	0.36	0.0037	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-4_WC-14_15
Date Collected: 06/08/21 09:10
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-3
Matrix: Solid
Percent Solids: 90.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Anthracene	**0.16**	**J**	0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzo[a]anthracene	**0.84**		0.036	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzo[a]pyrene	**0.91**		0.036	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzo[b]fluoranthene	**1.1**		0.036	0.0094	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzo[g,h,i]perylene	**0.62**		0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Benzo[k]fluoranthene	**0.49**		0.036	0.0071	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Bis(2-ethylhexyl) phthalate	**0.025**	**J**	0.36	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Carbazole	**0.037**	**J**	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Chrysene	**0.76**		0.36	0.0062	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Dibenz(a,h)anthracene	**0.19**		0.036	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Dibenzofuran	**0.031**	**J**	0.36	0.0051	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Fluoranthene	**1.5**		0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Fluorene	**0.020**	**J**	0.36	0.0049	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Indeno[1,2,3-cd]pyrene	**0.66**		0.036	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Naphthalene	**0.059**	**J**	0.36	0.0063	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Phenanthrene	**0.39**		0.36	0.0064	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1
Pyrene	**1.5**		0.36	0.0091	mg/Kg	☼	06/11/21 23:53	06/12/21 15:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.98*	*A J*	*mg/Kg*	☼	*2.61*		*06/11/21 23:53*	*06/12/21 15:33*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*6.81*		*06/11/21 23:53*	*06/12/21 15:33*	*1*
Unknown	*0.35*	*J*	*mg/Kg*	☼	*7.69*		*06/11/21 23:53*	*06/12/21 15:33*	*1*
Dodecane, 2-methyl-8-propyl-	*0.62*	*J N*	*mg/Kg*	☼	*7.94*	*55045-07-3*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Heptadecane, 2,6,10,15-tetramethyl-	*0.38*	*J N*	*mg/Kg*	☼	*8.38*	*54833-48-6*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*9.03*		*06/11/21 23:53*	*06/12/21 15:33*	*1*
Benzo[e]pyrene	*0.63*	*J N*	*mg/Kg*	☼	*12.71*	*192-97-2*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Dibenz(a,e)aceanthrylene	*0.36*	*J N*	*mg/Kg*	☼	*16.83*	*5385-75-1*	*06/11/21 23:53*	*06/12/21 15:33*	*1*

Client Sample ID: SP-4_WC-14_15
Date Collected: 06/08/21 09:10
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-3
Matrix: Solid
Percent Solids: 90.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*82*		*10 - 123*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
2-Fluorobiphenyl	*85*		*14 - 103*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 105*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Phenol-d5 (Surr)	*87*		*15 - 100*	*06/11/21 23:53*	*06/12/21 15:33*	*1*
Terphenyl-d14 (Surr)	*100*		*12 - 126*	*06/11/21 23:53*	*06/12/21 15:33*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/14/21 00:45	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/14/21 00:45	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/14/21 00:45	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/14/21 00:45	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/14/21 00:45	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/14/21 00:45	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/14/21 00:45	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/14/21 00:45	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/14/21 00:45	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/14/21 00:45	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/14/21 00:45	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/14/21 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*103*		*33 - 150*	*06/13/21 07:54*	*06/14/21 00:45*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*06/13/21 07:54*	*06/14/21 00:45*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*06/13/21 07:54*	*06/14/21 00:45*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 137*	*06/13/21 07:54*	*06/14/21 00:45*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/13/21 07:54*	*06/14/21 00:45*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 150*	*06/13/21 07:54*	*06/14/21 00:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1

Client Sample ID: SP-4_WC-14_15
Date Collected: 06/08/21 09:10
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-3
Matrix: Solid
Percent Solids: 90.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/10/21 09:49	06/11/21 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:05*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:05*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:05*	*1*
Tetrachloro-m-xylene	*56*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 06:31	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:31	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 06:31	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 06:31	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 06:31	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:31	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:31*	*1*
DCB Decachlorobiphenyl	*63*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:31*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:31*	*1*
Tetrachloro-m-xylene	*63*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1260	**0.84**		0.074	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1
Polychlorinated biphenyls, Total	**0.84**		0.074	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*138*		*37 - 150*	*06/10/21 09:41*	*06/11/21 14:30*	*1*
DCB Decachlorobiphenyl	*104*		*37 - 150*	*06/10/21 09:41*	*06/11/21 14:30*	*1*
Tetrachloro-m-xylene	*77*		*54 - 150*	*06/10/21 09:41*	*06/11/21 14:30*	*1*
Tetrachloro-m-xylene	*74*		*54 - 150*	*06/10/21 09:41*	*06/11/21 14:30*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/10/21 23:54	06/11/21 11:07	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/10/21 23:54	06/11/21 11:07	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/10/21 23:54	06/11/21 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*101*		*65 - 150*	*06/10/21 23:54*	*06/11/21 11:07*	*1*

Client Sample ID: SP-4_WC-14_15
Lab Sample ID: 460-236101-3

Date Collected: 06/08/21 09:10
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 90.9

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*	*06/10/21 23:54*	*06/11/21 11:07*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 12:58	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*06/13/21 23:40*	*06/14/21 12:58*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 150*	*06/13/21 23:40*	*06/14/21 12:58*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**250**		11	11	mg/Kg	☼	06/10/21 10:18	06/11/21 09:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*40 - 140*	*06/10/21 10:18*	*06/11/21 09:34*	*5*
1-Chlorooctadecane	*140*		*40 - 140*	*06/10/21 10:18*	*06/11/21 09:34*	*5*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:09	5
Barium	**0.46**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:09	5
Cadmium	**0.0033**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:09	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:09	5
Lead	**0.086**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:09	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:09	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:09	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5060**		22.0	2.9	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Antimony	**0.20**	**J**	1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Arsenic	**2.3**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Barium	**32.8**		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Beryllium	**0.34**	**J**	0.44	0.063	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Cadmium	**0.20**	**J**	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Calcium	**4770**		110	18.7	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Chromium	**12.3**		2.2	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Cobalt	**4.9**		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Copper	**24.2**		2.2	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Iron	**10600**		66.0	22.2	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Lead	**34.2**		0.66	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Magnesium	**3870**		110	11.2	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Manganese	**209**		4.4	0.44	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Nickel	**12.5**		2.2	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Potassium	**1580**		110	12.3	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Selenium	1.4	U	1.4	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Silver	1.1	U	1.1	0.098	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Sodium	**227**		110	17.2	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1

Client Sample ID: SP-4_WC-14_15
Lab Sample ID: 460-236101-3

Date Collected: 06/08/21 09:10
Matrix: Solid

Date Received: 06/08/21 19:00
Percent Solids: 90.9

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.076**	**J**	0.44	0.045	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Vanadium	**18.3**		2.2	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1
Zinc	**46.4**		8.8	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 10:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.018	0.0041	mg/Kg	☼	06/11/21 03:05	06/11/21 07:55	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**HF**			SU			06/17/21 13:54	1
Corrosivity	**8.4**	**HF**			SU			06/17/21 13:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	06/11/21 16:14	06/13/21 14:56	1
Oil & Grease	**343**	**J**	653	218	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**12.3**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**9.1**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**90.9**		1.0	1.0	%			06/10/21 08:46	1
Total Solids	**89.5**		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	**6.1**		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**				S.U.			06/11/21 10:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			06/12/21 10:00	1
Temperature	**23.0**				Degrees C			06/12/21 10:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**77.0**		10.0	10.0	mg/L			06/11/21 14:19	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-4_WC-14_VOC
Date Collected: 06/08/21 09:15
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-4
Matrix: Solid
Percent Solids: 91.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00036	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00033	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00047	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00032	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00072	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00046	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00066	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
2-Butanone (MEK)	0.0078	U	0.0078	0.00057	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
2-Hexanone	0.0078	U	0.0078	0.0027	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
4-Methyl-2-pentanone (MIBK)	0.0078	U	0.0078	0.0024	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Acetone	0.0094	U	0.0094	0.0089	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Benzene	0.0016	U	0.0016	0.00040	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Bromoform	0.0016	U	0.0016	0.00066	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Bromomethane	0.0031	U	0.0031	0.0016	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Carbon disulfide	0.0016	U	0.0016	0.00042	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Carbon tetrachloride	0.0016	U	0.0016	0.00060	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chlorobromomethane	0.0016	U	0.0016	0.00044	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chlorodibromomethane	0.0016	U	0.0016	0.00030	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chloroethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chloroform	0.0016	U	0.0016	0.0015	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Chloromethane	0.0016	U	0.0016	0.00068	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Cyclohexane	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Dichlorobromomethane	0.0016	U	0.0016	0.00040	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00053	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Ethylbenzene	0.0016	U	0.0016	0.00031	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Ethylene Dibromide	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Isopropylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Methyl acetate	0.0078	U	0.0078	0.0067	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00080	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Methylcyclohexane	0.0016	U	0.0016	0.00078	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00027	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
o-Xylene	0.0016	U	0.0016	0.00030	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Styrene	0.0016	U	0.0016	0.00043	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Tetrachloroethene	0.0016	U	0.0016	0.00048	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Toluene	0.0016	U	0.0016	0.00037	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00038	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00042	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Trichloroethene	0.0016	U	0.0016	0.00050	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1

Client Sample ID: SP-4_WC-14_VOC
Lab Sample ID: 460-236101-4
Date Collected: 06/08/21 09:15
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 91.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.0016	U	0.0016	0.00063	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1
Vinyl chloride	0.0016	U	0.0016	0.00085	mg/Kg	☼	06/09/21 19:27	06/10/21 02:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/09/21 19:27*	*06/10/21 02:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*	*06/09/21 19:27*	*06/10/21 02:57*	*1*
4-Bromofluorobenzene	*103*		*70 - 139*	*06/09/21 19:27*	*06/10/21 02:57*	*1*
Dibromofluoromethane (Surr)	*92*		*48 - 150*	*06/09/21 19:27*	*06/10/21 02:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/09/21 19:27*	*06/10/21 02:57*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 16:46	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 16:46	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 16:46	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 16:46	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 16:46	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 16:46	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 16:46	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 16:46	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 16:46	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 16:46	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 16:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/11/21 16:46*	*10*
4-Bromofluorobenzene	*90*		*76 - 120*		*06/11/21 16:46*	*10*
Dibromofluoromethane (Surr)	*97*		*77 - 124*		*06/11/21 16:46*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/11/21 16:46*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**91.0**		1.0	1.0	%			06/10/21 08:46	1

Client Sample ID: WL-1A (7-9)
Lab Sample ID: 460-236101-5
Date Collected: 06/08/21 10:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 89.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-1A (7-9)
Date Collected: 06/08/21 10:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-5
Matrix: Solid
Percent Solids: 89.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00069	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00063	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
1,4-Dichlorobenzene	**0.00080**	**J**	0.0015	0.00034	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
2-Hexanone	0.0075	U	0.0075	0.0026	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
4-Methyl-2-pentanone (MIBK)	0.0075	U	0.0075	0.0023	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Acetone	**0.018**		0.0090	0.0086	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Bromoform	0.0015	U	0.0015	0.00064	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Bromomethane	0.0030	U	0.0030	0.0015	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Carbon disulfide	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chlorobromomethane	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chloroethane	0.0015	U	0.0015	0.00078	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Chloromethane	0.0015	U	0.0015	0.00065	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Cyclohexane	0.0015	U	0.0015	0.00033	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Dichlorobromomethane	0.0015	U	0.0015	0.00039	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00051	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Ethylene Dibromide	0.0015	U	0.0015	0.00027	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Isopropylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Methyl acetate	0.0075	U	0.0075	0.0064	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Methylcyclohexane	0.0015	U	0.0015	0.00075	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Styrene	0.0015	U	0.0015	0.00042	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00061	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	06/09/21 19:29	06/10/21 03:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane, 2,6-dimethyl-	*0.070*	*J N*	*mg/Kg*	☼	*14.23*	*17301-23-4*	*06/09/21 19:29*	*06/10/21 03:20*	*1*
Unknown	*0.097*	*J*	*mg/Kg*	☼	*14.47*		*06/09/21 19:29*	*06/10/21 03:20*	*1*
Tridecane, 7-methyl-	*0.12*	*J N*	*mg/Kg*	☼	*14.60*	*26730-14-3*	*06/09/21 19:29*	*06/10/21 03:20*	*1*
Unknown	*0.084*	*J*	*mg/Kg*	☼	*14.77*		*06/09/21 19:29*	*06/10/21 03:20*	*1*
Unknown	*0.10*	*J*	*mg/Kg*	☼	*14.85*		*06/09/21 19:29*	*06/10/21 03:20*	*1*

Client Sample ID: WL-1A (7-9)
Lab Sample ID: 460-236101-5
Date Collected: 06/08/21 10:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 89.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Dodecane, 2,6,10-trimethyl-	0.21	J N	mg/Kg	☼	15.18	3891-98-3	06/09/21 19:29	06/10/21 03:20	1
Naphthalene, 1-methyl-	0.068	J N	mg/Kg	☼	15.26	90-12-0	06/09/21 19:29	06/10/21 03:20	1
Unknown	0.089	J	mg/Kg	☼	15.69		06/09/21 19:29	06/10/21 03:20	1
Unknown	0.096	J	mg/Kg	☼	15.81		06/09/21 19:29	06/10/21 03:20	1
Naphthalene, 2,6-dimethyl-	0.11	J N	mg/Kg	☼	15.87	581-42-0	06/09/21 19:29	06/10/21 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 145	06/09/21 19:29	06/10/21 03:20	1
4-Bromofluorobenzene	111		70 - 139	06/09/21 19:29	06/10/21 03:20	1
Dibromofluoromethane (Surr)	103		48 - 150	06/09/21 19:29	06/10/21 03:20	1
Toluene-d8 (Surr)	108		80 - 120	06/09/21 19:29	06/10/21 03:20	1

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 17:09	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 17:09	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 17:09	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 17:09	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 17:09	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 17:09	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 17:09	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 17:09	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 17:09	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 17:09	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 17:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 123		06/11/21 17:09	10
4-Bromofluorobenzene	87		76 - 120		06/11/21 17:09	10
Dibromofluoromethane (Surr)	96		77 - 124		06/11/21 17:09	10
Toluene-d8 (Surr)	91		80 - 120		06/11/21 17:09	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**89.7**		1.0	1.0	%			06/10/21 08:46	1

Client Sample ID: SP-5_WC-16-17
Lab Sample ID: 460-236101-6
Date Collected: 06/08/21 10:45
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.022**	**J**	0.35	0.0046	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.0063	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: SP-5_WC-16-17
Date Collected: 06/08/21 10:45
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-6
Matrix: Solid
Percent Solids: 95.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,4-Dimethylphenol	0.35	U	0.35	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,4-Dinitrotoluene	0.070	U	0.070	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2,6-Dinitrotoluene	0.070	U	0.070	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Methylnaphthalene	**0.080**	**J**	0.35	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Nitroaniline	0.35	U	0.35	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
3-Nitroaniline	0.35	U	0.35	0.039	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Chloroaniline	0.35	U	0.35	0.061	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
4-Nitrophenol	0.70	U	0.70	0.056	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Acenaphthene	**0.017**	**J**	0.35	0.0099	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Acenaphthylene	**0.050**	**J**	0.35	0.0035	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Anthracene	**0.059**	**J**	0.35	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzaldehyde	0.35	U	0.35	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzo[a]anthracene	**0.27**		0.035	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzo[a]pyrene	**0.35**		0.035	0.0092	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzo[b]fluoranthene	**0.49**		0.035	0.0090	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzo[g,h,i]perylene	**0.26**	**J**	0.35	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Benzo[k]fluoranthene	**0.18**		0.035	0.0068	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Bis(2-ethylhexyl) phthalate	**0.079**	**J**	0.35	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Chrysene	**0.30**	**J**	0.35	0.0059	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Dibenz(a,h)anthracene	**0.077**		0.035	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Dibenzofuran	**0.037**	**J**	0.35	0.0049	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Diethyl phthalate	0.35	U	0.35	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Fluoranthene	**0.39**		0.35	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Fluorene	**0.027**	**J**	0.35	0.0047	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Hexachlorobenzene	0.035	U	0.035	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Hexachlorobutadiene	0.070	U	0.070	0.0074	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1

Client Sample ID: SP-5_WC-16-17
Date Collected: 06/08/21 10:45
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-6
Matrix: Solid
Percent Solids: 95.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.35	U	0.35	0.030	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Indeno[1,2,3-cd]pyrene	**0.28**		0.035	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Naphthalene	**0.070**	**J**	0.35	0.0060	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Nitrobenzene	0.035	U	0.035	0.0083	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.028	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Phenanthrene	**0.18**	**J**	0.35	0.0061	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1
Pyrene	**0.43**		0.35	0.0086	mg/Kg	☼	06/11/21 23:53	06/12/21 15:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.2*	*A J*	*mg/Kg*	☼	*2.61*		*06/11/21 23:53*	*06/12/21 15:56*	*1*
1,4-Dichlorobenzene	*0.015*	*J*	*mg/Kg*	☼	*4.17*	*106-46-7*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Tridecane, 5-propyl-	*0.50*	*J N*	*mg/Kg*	☼	*7.94*	*55045-11-9*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Nonadecane	*0.47*	*J N*	*mg/Kg*	☼	*8.38*	*629-92-5*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Unknown	*0.53*	*J*	*mg/Kg*	☼	*9.04*		*06/11/21 23:53*	*06/12/21 15:56*	*1*
1,1'-Biphenyl, 2,2',3,5,5'-pentachloro-	*0.33*	*J N*	*mg/Kg*	☼	*9.53*	*52663-61-3*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
1,1'-Biphenyl, 2,2',3,4,4',5'-hexachloro-	*0.43*	*J N*	*mg/Kg*	☼	*10.14*	*35065-28-2*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
1,1'-Biphenyl, 2,2',3,3',4,4'-hexachloro-	*0.44*	*J N*	*mg/Kg*	☼	*10.33*	*38380-07-3*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
1,1'-Biphenyl, 2,2',4,4',6,6'-hexachloro-	*0.31*	*J N*	*mg/Kg*	☼	*10.55*	*33979-03-2*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Benzo[e]pyrene	*0.35*	*J N*	*mg/Kg*	☼	*12.71*	*192-97-2*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
28-Nor-17.alpha.(H)-hopane	*0.30*	*J N*	*mg/Kg*	☼	*13.62*	*53584-60-4*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Unknown	*0.30*	*J*	*mg/Kg*	☼	*14.05*		*06/11/21 23:53*	*06/12/21 15:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 123*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
2-Fluorobiphenyl	*84*		*14 - 103*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 105*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Nitrobenzene-d5 (Surr)	*79*		*11 - 104*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Phenol-d5 (Surr)	*84*		*15 - 100*	*06/11/21 23:53*	*06/12/21 15:56*	*1*
Terphenyl-d14 (Surr)	*98*		*12 - 126*	*06/11/21 23:53*	*06/12/21 15:56*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/14/21 01:06	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/14/21 01:06	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/14/21 01:06	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/14/21 01:06	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/14/21 01:06	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/14/21 01:06	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/14/21 01:06	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/14/21 01:06	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/14/21 01:06	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/14/21 01:06	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/14/21 01:06	1

Client Sample ID: SP-5_WC-16-17
Lab Sample ID: 460-236101-6
Date Collected: 06/08/21 10:45
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/14/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*119*		*33 - 150*	*06/13/21 07:54*	*06/14/21 01:06*	*1*
2-Fluorobiphenyl	*94*		*42 - 127*	*06/13/21 07:54*	*06/14/21 01:06*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*06/13/21 07:54*	*06/14/21 01:06*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*06/13/21 07:54*	*06/14/21 01:06*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*06/13/21 07:54*	*06/14/21 01:06*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 150*	*06/13/21 07:54*	*06/14/21 01:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0070	U	0.0070	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
4,4'-DDE	0.0070	U	0.0070	0.00083	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
4,4'-DDT	0.0070	U	0.0070	0.0013	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Aldrin	0.0070	U	0.0070	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
alpha-BHC	0.0021	U	0.0021	0.00071	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Chlordane (technical)	0.070	U	0.070	0.017	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Dieldrin	0.0021	U	0.0021	0.00091	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endosulfan I	0.0070	U	0.0070	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endosulfan II	0.0070	U	0.0070	0.0018	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endosulfan sulfate	0.0070	U	0.0070	0.00088	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endrin	0.0070	U	0.0070	0.0010	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endrin aldehyde	0.0070	U	0.0070	0.0017	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Endrin ketone	0.0070	U	0.0070	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Heptachlor	0.0070	U	0.0070	0.00083	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Heptachlor epoxide	0.0070	U	0.0070	0.0010	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Methoxychlor	0.0070	U	0.0070	0.0016	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1
Toxaphene	0.070	U	0.070	0.025	mg/Kg	☼	06/10/21 09:49	06/11/21 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:20*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:20*	*1*
Tetrachloro-m-xylene	*72*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:20*	*1*
Tetrachloro-m-xylene	*56*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 06:46	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:46	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 06:46	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 06:46	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 06:46	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:46	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:46*	*1*

Client Sample ID: SP-5_WC-16-17
Lab Sample ID: 460-236101-6
Date Collected: 06/08/21 10:45
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.5

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 150	06/13/21 13:58	06/15/21 06:46	1
Tetrachloro-m-xylene	68		10 - 150	06/13/21 13:58	06/15/21 06:46	1
Tetrachloro-m-xylene	63		10 - 150	06/13/21 13:58	06/15/21 06:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.70	U	0.70	0.093	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1221	0.70	U	0.70	0.093	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1232	0.70	U	0.70	0.093	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1242	0.70	U	0.70	0.093	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1248	0.70	U	0.70	0.093	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1254	0.70	U	0.70	0.096	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1260	**7.5**		0.70	0.096	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor-1262	0.70	U	0.70	0.096	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Aroclor 1268	0.70	U	0.70	0.096	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10
Polychlorinated biphenyls, Total	**7.5**		0.70	0.096	mg/Kg	☼	06/10/21 09:41	06/11/21 15:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		37 - 150	06/10/21 09:41	06/11/21 15:48	10
DCB Decachlorobiphenyl	111		37 - 150	06/10/21 09:41	06/11/21 15:48	10
Tetrachloro-m-xylene	89		54 - 150	06/10/21 09:41	06/11/21 15:48	10
Tetrachloro-m-xylene	93		54 - 150	06/10/21 09:41	06/11/21 15:48	10

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0074	mg/Kg	☼	06/10/21 23:54	06/11/21 11:22	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	06/10/21 23:54	06/11/21 11:22	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0036	mg/Kg	☼	06/10/21 23:54	06/11/21 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		65 - 150	06/10/21 23:54	06/11/21 11:22	1
2,4-Dichlorophenylacetic acid	83		65 - 150	06/10/21 23:54	06/11/21 11:22	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 13:13	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	45		28 - 150	06/13/21 23:40	06/14/21 13:13	1
2,4-Dichlorophenylacetic acid	50		28 - 150	06/13/21 23:40	06/14/21 13:13	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1100**		21	21	mg/Kg	☼	06/10/21 10:18	06/11/21 11:20	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		40 - 140	06/10/21 10:18	06/11/21 11:20	10
1-Chlorooctadecane	118		40 - 140	06/10/21 10:18	06/11/21 11:20	10

Client Sample ID: SP-5_WC-16-17
Lab Sample ID: 460-236101-6

Date Collected: 06/08/21 10:45
Matrix: Solid

Date Received: 06/08/21 19:00
Percent Solids: 95.5

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:13	5
Barium	**0.51**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:13	5
Cadmium	**0.0045**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:13	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:13	5
Lead	**0.22**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:13	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:13	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:13	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4000**		19.6	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Antimony	**1.2**		0.98	0.14	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Arsenic	**13.3**		0.98	0.098	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Barium	**53.5**		2.0	0.14	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Beryllium	**0.21**	**J**	0.39	0.056	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Cadmium	**0.47**	**J**	0.98	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Calcium	**10400**		97.9	16.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Chromium	**15.4**		2.0	0.17	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Cobalt	**4.0**		2.0	0.14	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Copper	**57.8**		2.0	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Iron	**20400**		58.7	19.8	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Lead	**147**		0.59	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Magnesium	**2240**		97.9	10	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Manganese	**162**		3.9	0.39	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Nickel	**13.9**		2.0	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Potassium	**895**		97.9	11.0	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Selenium	**0.74**	**J**	1.2	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Silver	**0.13**	**J**	0.98	0.087	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Sodium	**459**		97.9	15.3	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Thallium	**0.11**	**J**	0.39	0.040	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Vanadium	**24.1**		2.0	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1
Zinc	**73.8**		7.8	2.2	mg/Kg	☼	06/17/21 03:39	06/17/21 12:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.017	0.0041	mg/Kg	☼	06/11/21 03:05	06/11/21 07:57	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**			SU			06/17/21 13:55	1
Corrosivity	**8.5**	**HF**			SU			06/17/21 13:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.45	U	0.45	0.15	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.22	U	0.22	0.12	mg/Kg	☼	06/11/21 16:14	06/13/21 14:57	1
Oil & Grease	**2410**		620	207	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Client Sample ID: SP-5_WC-16-17
Lab Sample ID: 460-236101-6
Date Collected: 06/08/21 10:45
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**15.4**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**4.5**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**95.5**		1.0	1.0	%			06/10/21 08:46	1
Total Solids	**97.8**		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	**5.8**		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**				S.U.			06/11/21 10:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.3**				S.U.			06/12/21 10:00	1
Temperature	**23.0**				Degrees C			06/12/21 10:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**89.0**		10.0	10.0	mg/L			06/11/21 14:19	1

Client Sample ID: SP-5_WC-17_VOC
Lab Sample ID: 460-236101-7
Date Collected: 06/08/21 10:50
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.2

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
2-Butanone (MEK)	0.0066	U *	0.0066	0.00049	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
2-Hexanone	0.0066	U	0.0066	0.0023	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0021	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Acetone	0.0079	U	0.0079	0.0076	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1

Client Sample ID: SP-5_WC-17_VOC
Lab Sample ID: 460-236101-7

Date Collected: 06/08/21 10:50
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.2

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	06/09/21 19:31	06/10/21 10:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/09/21 19:31*	*06/10/21 10:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*	*06/09/21 19:31*	*06/10/21 10:04*	*1*
4-Bromofluorobenzene	*104*		*70 - 139*	*06/09/21 19:31*	*06/10/21 10:04*	*1*
Dibromofluoromethane (Surr)	*91*		*48 - 150*	*06/09/21 19:31*	*06/10/21 10:04*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*06/09/21 19:31*	*06/10/21 10:04*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 17:32	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 17:32	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 17:32	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 17:32	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 17:32	10

Client Sample ID: SP-5_WC-17_VOC
Lab Sample ID: 460-236101-7

Date Collected: 06/08/21 10:50
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.2

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 17:32	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 17:32	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 17:32	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 17:32	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 17:32	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 17:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/11/21 17:32*	*10*
4-Bromofluorobenzene	*95*		*76 - 120*		*06/11/21 17:32*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/11/21 17:32*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/11/21 17:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.8**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**95.2**		1.0	1.0	%			06/10/21 08:46	1

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8

Date Collected: 06/08/21 10:47
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-1 (0-10)
Date Collected: 06/08/21 10:47
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-8
Matrix: Solid
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Acenaphthene	**0.52**		0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Acenaphthylene	**0.056**	**J**	0.37	0.0038	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Anthracene	**0.23**	**J**	0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzo[a]anthracene	**0.20**		0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzo[a]pyrene	**0.094**		0.037	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzo[b]fluoranthene	**0.12**		0.037	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzo[g,h,i]perylene	**0.035**	**J**	0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Benzo[k]fluoranthene	**0.050**		0.037	0.0073	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Chrysene	**0.24**	**J**	0.37	0.0063	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Dibenzofuran	**0.40**		0.37	0.0052	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Fluoranthene	**1.0**		0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Fluorene	**0.66**		0.37	0.0051	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Indeno[1,2,3-cd]pyrene	**0.035**	**J**	0.037	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Phenanthrene	**1.6**		0.37	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1
Pyrene	**0.87**		0.37	0.0093	mg/Kg	☼	06/11/21 23:53	06/12/21 16:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.94*	*J*	*mg/Kg*	☼	*5.02*		*06/11/21 23:53*	*06/12/21 16:19*	*1*
Undecane, 2,6-dimethyl-	*1.1*	*J N*	*mg/Kg*	☼	*5.46*	*17301-23-4*	*06/11/21 23:53*	*06/12/21 16:19*	*1*
Unknown	*0.94*	*J*	*mg/Kg*	☼	*5.67*		*06/11/21 23:53*	*06/12/21 16:19*	*1*
Unknown	*1.9*	*J*	*mg/Kg*	☼	*5.81*		*06/11/21 23:53*	*06/12/21 16:19*	*1*
Unknown	*0.94*	*J*	*mg/Kg*	☼	*6.05*		*06/11/21 23:53*	*06/12/21 16:19*	*1*
Benzocycloheptatriene	*1.0*	*J N*	*mg/Kg*	☼	*6.15*	*264-09-5*	*06/11/21 23:53*	*06/12/21 16:19*	*1*

Client Sample ID: WL-1 (0-10)
Date Collected: 06/08/21 10:47
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-8
Matrix: Solid
Percent Solids: 88.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.96	J	mg/Kg	☼	6.25		06/11/21 23:53	06/12/21 16:19	1
Dodecane, 2,6,11-trimethyl-	1.8	J N	mg/Kg	☼	6.38	31295-56-4	06/11/21 23:53	06/12/21 16:19	1
Naphthalene, 2,6-dimethyl-	1.2	J N	mg/Kg	☼	6.65	581-42-0	06/11/21 23:53	06/12/21 16:19	1
Naphthalene, 2,7-dimethyl-	1.0	J N	mg/Kg	☼	6.73	582-16-1	06/11/21 23:53	06/12/21 16:19	1
Dodecane, 2,6,10-trimethyl-	3.1	J N	mg/Kg	☼	6.81	3891-98-3	06/11/21 23:53	06/12/21 16:19	1
3-(2-Methyl-propenyl)-1H-indene	1.3	J N	mg/Kg	☼	7.43	1000187-78-5	06/11/21 23:53	06/12/21 16:19	1
Decane, 3,6-dimethyl-	2.8	J N	mg/Kg	☼	7.70	17312-53-7	06/11/21 23:53	06/12/21 16:19	1
Pentadecane, 4-methyl-	3.3	J N	mg/Kg	☼	7.95	2801-87-8	06/11/21 23:53	06/12/21 16:19	1
Unknown	0.90	J	mg/Kg	☼	8.15		06/11/21 23:53	06/12/21 16:19	1
Eicosane	2.7	J N	mg/Kg	☼	8.39	112-95-8	06/11/21 23:53	06/12/21 16:19	1
Heptadecane, 4-methyl-	1.2	J N	mg/Kg	☼	8.73	26429-11-8	06/11/21 23:53	06/12/21 16:19	1
Unknown	2.3	J	mg/Kg	☼	8.94		06/11/21 23:53	06/12/21 16:19	1
Unknown	2.5	J	mg/Kg	☼	9.03		06/11/21 23:53	06/12/21 16:19	1
Heptadecane	1.6	J N	mg/Kg	☼	10.27	629-78-7	06/11/21 23:53	06/12/21 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		10 - 123	06/11/21 23:53	06/12/21 16:19	1
2-Fluorobiphenyl	84		14 - 103	06/11/21 23:53	06/12/21 16:19	1
2-Fluorophenol (Surr)	77		10 - 105	06/11/21 23:53	06/12/21 16:19	1
Nitrobenzene-d5 (Surr)	75		11 - 104	06/11/21 23:53	06/12/21 16:19	1
Phenol-d5 (Surr)	81		15 - 100	06/11/21 23:53	06/12/21 16:19	1
Terphenyl-d14 (Surr)	93		12 - 126	06/11/21 23:53	06/12/21 16:19	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/14/21 01:27	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/14/21 01:27	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/14/21 01:27	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/14/21 01:27	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/14/21 01:27	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/14/21 01:27	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/14/21 01:27	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/14/21 01:27	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/14/21 01:27	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/14/21 01:27	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/14/21 01:27	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/14/21 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	106		33 - 150	06/13/21 07:54	06/14/21 01:27	1
2-Fluorobiphenyl	86		42 - 127	06/13/21 07:54	06/14/21 01:27	1
2-Fluorophenol (Surr)	48		18 - 72	06/13/21 07:54	06/14/21 01:27	1
Nitrobenzene-d5 (Surr)	79		46 - 137	06/13/21 07:54	06/14/21 01:27	1
Phenol-d5 (Surr)	28		10 - 50	06/13/21 07:54	06/14/21 01:27	1
Terphenyl-d14 (Surr)	98		39 - 150	06/13/21 07:54	06/14/21 01:27	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-1 (0-10)
Date Collected: 06/08/21 10:47
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-8
Matrix: Solid
Percent Solids: 88.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	06/10/21 09:49	06/11/21 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*06/10/21 09:49*	*06/11/21 10:48*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 150*	*06/10/21 09:49*	*06/11/21 10:48*	*1*
Tetrachloro-m-xylene	*73*		*10 - 133*	*06/10/21 09:49*	*06/11/21 10:48*	*1*
Tetrachloro-m-xylene	*66*		*10 - 133*	*06/10/21 09:49*	*06/11/21 10:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 07:00	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:00	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 07:00	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 07:00	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 07:00	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:00	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:00*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:00*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:00*	*1*
Tetrachloro-m-xylene	*60*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1248	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8

Date Collected: 06/08/21 10:47
Matrix: Solid

Date Received: 06/08/21 19:00
Percent Solids: 88.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1260	**0.17**		0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1
Polychlorinated biphenyls, Total	**0.17**		0.076	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*241*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 15:09*	*1*
DCB Decachlorobiphenyl	*165*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 15:09*	*1*
Tetrachloro-m-xylene	*132*		*54 - 150*	*06/10/21 09:41*	*06/11/21 15:09*	*1*
Tetrachloro-m-xylene	*112*		*54 - 150*	*06/10/21 09:41*	*06/11/21 15:09*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	06/10/21 23:54	06/11/21 11:36	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/10/21 23:54	06/11/21 11:36	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	06/10/21 23:54	06/11/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*65 - 150*	*06/10/21 23:54*	*06/11/21 11:36*	*1*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*	*06/10/21 23:54*	*06/11/21 11:36*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 13:28	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*51*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:28*	*1*
2,4-Dichlorophenylacetic acid	*57*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:28*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**5300**		45	45	mg/Kg	☼	06/10/21 10:18	06/11/21 11:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*	*40 - 140*	*06/10/21 10:18*	*06/11/21 11:37*	*20*
1-Chlorooctadecane	*0*	*	*40 - 140*	*06/10/21 10:18*	*06/11/21 11:37*	*20*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:17	5
Barium	**0.71**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:17	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:17	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:17	5
Lead	**0.023**	**J**	0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:17	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:17	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:17	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3470**		21.9	2.9	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Antimony	**1.3**		1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1

Client Sample ID: WL-1 (0-10)
Date Collected: 06/08/21 10:47
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-8
Matrix: Solid
Percent Solids: 88.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Barium	33.7		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Beryllium	0.20	J	0.44	0.063	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Calcium	1240		110	18.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Chromium	7.8		2.2	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Cobalt	4.6		2.2	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Copper	18.3		2.2	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Iron	7480		65.8	22.2	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Lead	6.0		0.66	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Magnesium	1690		110	11.2	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Manganese	215		4.4	0.44	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Nickel	9.6		2.2	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Potassium	611		110	12.3	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Selenium	0.69	J	1.4	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Silver	1.1	U	1.1	0.098	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Sodium	191		110	17.1	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Thallium	0.44	U	0.44	0.045	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Vanadium	16.6		2.2	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1
Zinc	31.6		8.8	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 12:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg	☼	06/11/21 03:05	06/11/21 07:59	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.3	HF			SU			06/17/21 13:59	1
Corrosivity	7.3	HF			SU			06/17/21 13:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.46	U	0.46	0.15	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	06/11/21 16:14	06/13/21 15:02	1
Oil & Grease	3690		670	223	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	7.8		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:29	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	11.5		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	88.5		1.0	1.0	%			06/10/21 08:46	1
Total Solids	87.9		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	1.6		0.10	0.10	%			06/11/21 14:48	1

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8

Date Collected: 06/08/21 10:47
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 88.5

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**				S.U.			06/11/21 10:00	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.9**				S.U.			06/12/21 10:00	1
Temperature	**23.0**				Degrees C			06/12/21 10:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**60.0**		10.0	10.0	mg/L			06/11/21 14:19	1

Client Sample ID: WL-2 (0-10)
Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.0069	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4-Dimethylphenol	0.38	U	0.38	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Methylnaphthalene	**1.7**		0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Nitroaniline	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
3-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Acenaphthene	**0.23**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-2 (0-10)
Date Collected: 06/08/21 13:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-9
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.13**	**J**	0.38	0.0038	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzo[a]anthracene	**0.086**		0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzo[a]pyrene	**0.10**		0.038	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzo[b]fluoranthene	**0.15**		0.038	0.0098	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzo[g,h,i]perylene	**0.068**	**J**	0.38	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Benzo[k]fluoranthene	**0.044**		0.038	0.0075	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Chrysene	**0.13**	**J**	0.38	0.0064	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Dibenz(a,h)anthracene	**0.017**	**J**	0.038	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Dibenzofuran	**0.23**	**J**	0.38	0.0053	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Diethyl phthalate	0.38	U	0.38	0.0055	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Fluoranthene	**0.12**	**J**	0.38	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Fluorene	**0.54**		0.38	0.0052	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Indeno[1,2,3-cd]pyrene	**0.076**		0.038	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Nitrobenzene	0.038	U	0.038	0.0091	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Phenanthrene	**1.1**		0.38	0.0067	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1
Pyrene	**0.15**	**J**	0.38	0.0095	mg/Kg	☼	06/11/21 23:53	06/12/21 16:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 4-ethyl-1,2-dimethyl-	*2.2*	*J N*	*mg/Kg*	☼	*4.67*	*934-80-5*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
Undecane, 2,6-dimethyl-	*1.9*	*J N*	*mg/Kg*	☼	*5.46*	*17301-23-4*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
Octane, 2,6-dimethyl-	*2.9*	*J N*	*mg/Kg*	☼	*5.81*	*2051-30-1*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
Naphthalene, 1,2,3,4-tetrahydro-5,7-dimethyl-	*1.9*	*J N*	*mg/Kg*	☼	*5.98*	*21693-54-9*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	*1.7*	*J N*	*mg/Kg*	☼	*6.01*	*2613-76-5*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
Benzocycloheptatriene	*3.8*	*J N*	*mg/Kg*	☼	*6.15*	*264-09-5*	*06/11/21 23:53*	*06/12/21 16:42*	*1*
Unknown	*2.9*	*J*	*mg/Kg*	☼	*6.38*		*06/11/21 23:53*	*06/12/21 16:42*	*1*

Client Sample ID: WL-2 (0-10)
Date Collected: 06/08/21 13:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-9
Matrix: Solid
Percent Solids: 87.0

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1-ethyl-	2.4	J N	mg/Kg	☼	6.59	1127-76-0	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 1,6-dimethyl-	3.6	J N	mg/Kg	☼	6.66	575-43-9	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 2,3-dimethyl-	4.0	J N	mg/Kg	☼	6.73	581-40-8	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 2,6-dimethyl-	3.6	J N	mg/Kg	☼	6.75	581-42-0	06/11/21 23:53	06/12/21 16:42	1
Dodecane, 2,6,10-trimethyl-	5.1	J N	mg/Kg	☼	6.82	3891-98-3	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 1,4,6-trimethyl-	2.3	J N	mg/Kg	☼	7.15	2131-42-2	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 1,6,7-trimethyl-	1.8	J N	mg/Kg	☼	7.28	2245-38-7	06/11/21 23:53	06/12/21 16:42	1
Naphthalene, 2,3,6-trimethyl-	2.2	J N	mg/Kg	☼	7.44	829-26-5	06/11/21 23:53	06/12/21 16:42	1
Tridecane, 5-propyl-	3.1	J N	mg/Kg	☼	7.70	55045-11-9	06/11/21 23:53	06/12/21 16:42	1
Dodecane, 2,6,11-trimethyl-	4.2	J N	mg/Kg	☼	7.95	31295-56-4	06/11/21 23:53	06/12/21 16:42	1
Unknown	1.9	J	mg/Kg	☼	8.11		06/11/21 23:53	06/12/21 16:42	1
Heptadecane, 2,6,10,15-tetramethyl-	3.0	J N	mg/Kg	☼	8.39	54833-48-6	06/11/21 23:53	06/12/21 16:42	1
Unknown	2.0	J	mg/Kg	☼	9.03		06/11/21 23:53	06/12/21 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		10 - 123	06/11/21 23:53	06/12/21 16:42	1
2-Fluorobiphenyl	88		14 - 103	06/11/21 23:53	06/12/21 16:42	1
2-Fluorophenol (Surr)	80		10 - 105	06/11/21 23:53	06/12/21 16:42	1
Nitrobenzene-d5 (Surr)	82		11 - 104	06/11/21 23:53	06/12/21 16:42	1
Phenol-d5 (Surr)	84		15 - 100	06/11/21 23:53	06/12/21 16:42	1
Terphenyl-d14 (Surr)	99		12 - 126	06/11/21 23:53	06/12/21 16:42	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 08:05	06/13/21 17:36	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 08:05	06/13/21 17:36	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 08:05	06/13/21 17:36	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 08:05	06/13/21 17:36	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 08:05	06/13/21 17:36	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 08:05	06/13/21 17:36	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 08:05	06/13/21 17:36	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 08:05	06/13/21 17:36	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 08:05	06/13/21 17:36	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 08:05	06/13/21 17:36	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 08:05	06/13/21 17:36	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		06/13/21 08:05	06/13/21 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		33 - 150	06/13/21 08:05	06/13/21 17:36	1
2-Fluorobiphenyl	88		42 - 127	06/13/21 08:05	06/13/21 17:36	1
2-Fluorophenol (Surr)	73	*	18 - 72	06/13/21 08:05	06/13/21 17:36	1
Nitrobenzene-d5 (Surr)	101		46 - 137	06/13/21 08:05	06/13/21 17:36	1
Phenol-d5 (Surr)	51	*	10 - 50	06/13/21 08:05	06/13/21 17:36	1
Terphenyl-d14 (Surr)	102		39 - 150	06/13/21 08:05	06/13/21 17:36	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1

Client Sample ID: WL-2 (0-10)
Date Collected: 06/08/21 13:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-9
Matrix: Solid
Percent Solids: 87.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	06/10/21 09:49	06/11/21 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:49*	*1*
DCB Decachlorobiphenyl	*129*		*10 - 150*	*06/10/21 09:49*	*06/11/21 09:49*	*1*
Tetrachloro-m-xylene	*109*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:49*	*1*
Tetrachloro-m-xylene	*103*		*10 - 133*	*06/10/21 09:49*	*06/11/21 09:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 07:15	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:15	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 07:15	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 07:15	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 07:15	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:15	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:15*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:15*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:15*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1221	0.077	U	0.077	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1232	0.077	U	0.077	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1242	0.077	U	0.077	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1248	0.077	U	0.077	0.010	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1254	0.077	U	0.077	0.011	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor 1260	**0.50**		0.077	0.011	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Aroclor-1262	0.077	U	0.077	0.011	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-2 (0-10)
Date Collected: 06/08/21 13:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-9
Matrix: Solid
Percent Solids: 87.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.077	U	0.077	0.011	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1
Polychlorinated biphenyls, Total	**0.50**		0.077	0.011	mg/Kg	☼	06/10/21 09:41	06/11/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*248*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 15:29*	*1*
DCB Decachlorobiphenyl	*193*	*	*37 - 150*	*06/10/21 09:41*	*06/11/21 15:29*	*1*
Tetrachloro-m-xylene	*149*		*54 - 150*	*06/10/21 09:41*	*06/11/21 15:29*	*1*
Tetrachloro-m-xylene	*134*		*54 - 150*	*06/10/21 09:41*	*06/11/21 15:29*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0081	mg/Kg	☼	06/10/21 23:54	06/11/21 11:51	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/10/21 23:54	06/11/21 11:51	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0040	mg/Kg	☼	06/10/21 23:54	06/11/21 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*	*	*65 - 150*	*06/10/21 23:54*	*06/11/21 11:51*	*1*
2,4-Dichlorophenylacetic acid	*68*		*65 - 150*	*06/10/21 23:54*	*06/11/21 11:51*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 13:42	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*56*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:42*	*1*
2,4-Dichlorophenylacetic acid	*64*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:42*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**4200**		23	23	mg/Kg	☼	06/10/21 10:18	06/11/21 11:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*40 - 140*	*06/10/21 10:18*	*06/11/21 11:51*	*10*
1-Chlorooctadecane	*94*		*40 - 140*	*06/10/21 10:18*	*06/11/21 11:51*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:29	5
Barium	**0.69**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:29	5
Cadmium	**0.0019**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:29	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:29	5
Lead	**0.12**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:29	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:29	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:29	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4720**		21.3	2.8	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Antimony	**0.19**	**J**	1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Arsenic	**4.2**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Barium	**36.9**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1

Client Sample ID: WL-2 (0-10)
Date Collected: 06/08/21 13:00
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-9
Matrix: Solid
Percent Solids: 87.0

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.56**		0.43	0.061	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Cadmium	**0.16**	**J**	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Calcium	**2970**		106	18.1	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Chromium	**11.6**		2.1	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Cobalt	**4.9**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Copper	**91.6**		2.1	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Iron	**13200**		63.9	21.5	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Lead	**58.0**		0.64	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Magnesium	**2450**		106	10.9	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Manganese	**193**		4.3	0.43	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Nickel	**9.9**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Potassium	**632**		106	11.9	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Selenium	**0.19**	**J**	1.3	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Silver	1.1	U	1.1	0.095	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Sodium	**450**		106	16.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Thallium	0.43	U	0.43	0.044	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Vanadium	**23.3**		2.1	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1
Zinc	**46.7**		8.5	2.4	mg/Kg	☼	06/17/21 03:39	06/17/21 12:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.097**		0.018	0.0042	mg/Kg	☼	06/11/21 03:05	06/11/21 08:01	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.7**	**HF**			SU			06/17/21 14:01	1
Corrosivity	**6.7**	**HF**			SU			06/17/21 14:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.49	U	0.49	0.16	mg/Kg	☼	06/14/21 19:03	06/15/21 02:11	1
Cyanide, Total	0.25	U	0.25	0.13	mg/Kg	☼	06/11/21 16:14	06/13/21 15:02	1
Oil & Grease	**3750**		680	227	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**11.6**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:29	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:15	06/11/21 16:26	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/11/21 10:23	1
Percent Moisture	**13.0**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**87.0**		1.0	1.0	%			06/10/21 08:46	1
Total Solids	**87.1**		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	**3.0**		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**				S.U.			06/11/21 10:00	1

Client Sample ID: WL-2 (0-10)
Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 87.0

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/12/21 10:00	1
Temperature	**23.0**				Degrees C			06/12/21 10:00	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	**0.15**		0.10	0.050	mg/L			06/14/21 17:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	**19.0**		10.0	10.0	mg/Kg			06/16/21 22:22	1
Total Solids	**113**		10.0	10.0	mg/L			06/11/21 14:19	1

Client Sample ID: WL-2A (5-7)
Lab Sample ID: 460-236101-10

Date Collected: 06/08/21 11:30
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 90.1

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00026	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00066	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00061	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
2-Butanone (MEK)	0.0072	U	0.0072	0.00053	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
2-Hexanone	0.0072	U	0.0072	0.0025	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
4-Methyl-2-pentanone (MIBK)	0.0072	U	0.0072	0.0022	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Acetone	**0.028**		0.0086	0.0082	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Bromoform	0.0014	U	0.0014	0.00061	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Bromomethane	0.0029	U	0.0029	0.0014	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Carbon disulfide	**0.0017**		0.0014	0.00038	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Carbon tetrachloride	0.0014	U	0.0014	0.00056	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chlorodibromomethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Chloromethane	0.0014	U	0.0014	0.00063	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Cyclohexane	**0.0075**		0.0014	0.00032	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Dichlorobromomethane	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-2A (5-7)
Date Collected: 06/08/21 11:30
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-10
Matrix: Solid
Percent Solids: 90.1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Ethylbenzene	0.0014	U	0.0014	0.00029	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Ethylene Dibromide	0.0014	U	0.0014	0.00026	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Isopropylbenzene	**0.030**		0.0014	0.00041	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Methyl acetate	0.0072	U	0.0072	0.0062	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00074	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Methylcyclohexane	**0.13**		0.0014	0.00072	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Methylene Chloride	**0.0030**		0.0029	0.0016	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Styrene	0.0014	U	0.0014	0.00040	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Toluene	0.0014	U	0.0014	0.00034	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1
Vinyl chloride	0.0014	U	0.0014	0.00078	mg/Kg	☼	06/09/21 19:32	06/10/21 04:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.69*	*J*	*mg/Kg*	☼	*9.62*		*06/09/21 19:32*	*06/10/21 04:07*	*1*
Unknown	*0.68*	*J*	*mg/Kg*	☼	*10.32*		*06/09/21 19:32*	*06/10/21 04:07*	*1*
Decane, 4-methyl-	*0.66*	*J N*	*mg/Kg*	☼	*11.72*	*2847-72-5*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
Unknown	*0.44*	*J*	*mg/Kg*	☼	*11.85*		*06/09/21 19:32*	*06/10/21 04:07*	*1*
Naphthalene, decahydro-	*0.44*	*J N*	*mg/Kg*	☼	*12.74*	*91-17-8*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
trans-Decalin, 2-methyl-	*0.47*	*J N*	*mg/Kg*	☼	*13.52*	*1000152-47-3*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
1-Methyldecahydronaphthalene	*0.84*	*J N*	*mg/Kg*	☼	*13.70*	*2958-75-0*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
Unknown	*0.41*	*J*	*mg/Kg*	☼	*13.91*		*06/09/21 19:32*	*06/10/21 04:07*	*1*
Benzene, 2-ethenyl-1,4-dimethyl-	*0.45*	*J N*	*mg/Kg*	☼	*14.04*	*2039-89-6*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
Unknown	*0.42*	*J*	*mg/Kg*	☼	*14.15*		*06/09/21 19:32*	*06/10/21 04:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 145*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
4-Bromofluorobenzene	*111*		*70 - 139*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
Dibromofluoromethane (Surr)	*95*		*48 - 150*	*06/09/21 19:32*	*06/10/21 04:07*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*	*06/09/21 19:32*	*06/10/21 04:07*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 17:54	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 17:54	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 17:54	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 17:54	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 17:54	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 17:54	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 17:54	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 17:54	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 17:54	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 17:54	10

Client Sample ID: WL-2A (5-7)
Lab Sample ID: 460-236101-10

Date Collected: 06/08/21 11:30
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 90.1

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 17:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/11/21 17:54*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/11/21 17:54*	*10*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/11/21 17:54*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/11/21 17:54*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		1.0	1.0	%			06/10/21 08:46	1
Percent Solids	**90.1**		1.0	1.0	%			06/10/21 08:46	1

Client Sample ID: WL-3A (4-6)
Lab Sample ID: 460-236147-1

Date Collected: 06/09/21 09:00
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 91.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00017	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00021	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
2-Butanone (MEK)	**0.0077**		0.0047	0.00035	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Acetone	**0.040**		0.0057	0.0054	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Benzene	0.00095	U	0.00095	0.00024	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Carbon disulfide	**0.0017**		0.00095	0.00025	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chlorobromomethane	0.00095	U	0.00095	0.00027	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chlorodibromomethane	0.00095	U	0.00095	0.00018	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chloroethane	0.00095	U	0.00095	0.00049	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-3A (4-6)
Date Collected: 06/09/21 09:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-1
Matrix: Solid
Percent Solids: 91.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	**0.0011**		0.00095	0.00021	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Ethylbenzene	**0.0015**		0.00095	0.00019	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Ethylene Dibromide	0.00095	U	0.00095	0.00017	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Isopropylbenzene	**0.023**		0.00095	0.00027	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Methylcyclohexane	**0.026**		0.00095	0.00047	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Methylene Chloride	**0.0016**	**J**	0.0019	0.0011	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
m-Xylene & p-Xylene	**0.0039**		0.00095	0.00016	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
o-Xylene	**0.0055**		0.00095	0.00018	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Toluene	**0.00032**	**J**	0.00095	0.00022	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00038	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	06/10/21 15:17	06/17/21 12:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane, 1,1,3-trimethyl-	*0.076*	*J N*	*mg/Kg*	☼	*6.96*	*3073-66-3*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Octane, 3-methyl-	*0.060*	*J N*	*mg/Kg*	☼	*7.89*	*2216-33-3*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
cis-1-Ethyl-3-methyl-cyclohexane	*0.075*	*J N*	*mg/Kg*	☼	*8.42*	*19489-10-2*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Unknown	*0.12*	*J*	*mg/Kg*	☼	*8.98*		*06/10/21 15:17*	*06/17/21 12:21*	*1*
Unknown	*0.10*	*J*	*mg/Kg*	☼	*9.37*		*06/10/21 15:17*	*06/17/21 12:21*	*1*
Octane, 2,6-dimethyl-	*0.26*	*J N*	*mg/Kg*	☼	*9.64*	*2051-30-1*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Unknown	*0.099*	*J*	*mg/Kg*	☼	*10.34*		*06/10/21 15:17*	*06/17/21 12:21*	*1*
Unknown	*0.055*	*J*	*mg/Kg*	☼	*10.94*		*06/10/21 15:17*	*06/17/21 12:21*	*1*
Decane, 4-methyl-	*0.073*	*J N*	*mg/Kg*	☼	*11.74*	*2847-72-5*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Cyclodecene, 1-methyl-	*0.066*	*J N*	*mg/Kg*	☼	*13.71*	*66633-38-3*	*06/10/21 15:17*	*06/17/21 12:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 145*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
4-Bromofluorobenzene	*138*		*70 - 139*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Dibromofluoromethane (Surr)	*90*		*48 - 150*	*06/10/21 15:17*	*06/17/21 12:21*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*06/10/21 15:17*	*06/17/21 12:21*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/15/21 01:56	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/15/21 01:56	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/15/21 01:56	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/15/21 01:56	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/15/21 01:56	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/15/21 01:56	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/15/21 01:56	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/15/21 01:56	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/15/21 01:56	10

Client Sample ID: WL-3A (4-6)
Lab Sample ID: 460-236147-1
Date Collected: 06/09/21 09:00
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 91.7

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/15/21 01:56	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/15/21 01:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/15/21 01:56*	*10*
4-Bromofluorobenzene	*100*		*76 - 120*		*06/15/21 01:56*	*10*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*06/15/21 01:56*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/15/21 01:56*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		1.0	1.0	%			06/11/21 09:25	1
Percent Solids	**91.7**		1.0	1.0	%			06/11/21 09:25	1

Client Sample ID: WL-3 (0-10)
Lab Sample ID: 460-236147-2
Date Collected: 06/09/21 12:00
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 90.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0049	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Methylnaphthalene	**2.4**		0.36	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Acenaphthene	**0.36**		0.36	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Acenaphthylene	**0.17**	**J**	0.36	0.0037	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid
Percent Solids: 90.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzo[a]anthracene	**0.047**		0.036	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzo[a]pyrene	**0.037**		0.036	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzo[b]fluoranthene	**0.063**		0.036	0.0095	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzo[g,h,i]perylene	**0.026**	**J**	0.36	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Benzo[k]fluoranthene	**0.022**	**J**	0.036	0.0072	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Bis(2-ethylhexyl) phthalate	**0.029**	**J**	0.36	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Chrysene	**0.068**	**J**	0.36	0.0062	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Dibenzofuran	**0.43**		0.36	0.0051	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Fluoranthene	**0.14**	**J**	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Fluorene	**0.74**		0.36	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Indeno[1,2,3-cd]pyrene	**0.028**	**J**	0.036	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Nitrobenzene	0.036	U	0.036	0.0088	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Phenanthrene	**1.6**		0.36	0.0064	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1
Pyrene	**0.18**	**J**	0.36	0.0091	mg/Kg	☼	06/11/21 23:53	06/12/21 17:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 4-ethyl-1,2-dimethyl-	*2.0*	*J N*	*mg/Kg*	☼	*4.67*	*934-80-5*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Octane, 2,6-dimethyl-	*2.8*	*J N*	*mg/Kg*	☼	*5.81*	*2051-30-1*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Naphthalene, 1-methyl-	*3.4*	*J N*	*mg/Kg*	☼	*6.15*	*90-12-0*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Unknown	*1.7*	*J*	*mg/Kg*	☼	*6.25*		*06/11/21 23:53*	*06/12/21 17:51*	*1*
Dodecane, 2,6,11-trimethyl-	*3.6*	*J N*	*mg/Kg*	☼	*6.38*	*31295-56-4*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Naphthalene, 1-ethyl-	*1.8*	*J N*	*mg/Kg*	☼	*6.59*	*1127-76-0*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Naphthalene, 1,6-dimethyl-	*3.5*	*J N*	*mg/Kg*	☼	*6.66*	*575-43-9*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Naphthalene, 2,3-dimethyl-	*4.4*	*J N*	*mg/Kg*	☼	*6.73*	*581-40-8*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Naphthalene, 2,6-dimethyl-	*3.2*	*J N*	*mg/Kg*	☼	*6.76*	*581-42-0*	*06/11/21 23:53*	*06/12/21 17:51*	*1*
Dodecane, 2,6,10-trimethyl-	*5.9*	*J N*	*mg/Kg*	☼	*6.82*	*3891-98-3*	*06/11/21 23:53*	*06/12/21 17:51*	*1*

Client Sample ID: WL-3 (0-10) — **Lab Sample ID: 460-236147-2**
Date Collected: 06/09/21 12:00 — **Matrix: Solid**
Date Received: 06/09/21 19:30 — **Percent Solids: 90.5**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1,4,6-trimethyl-	2.1	J N	mg/Kg	☼	7.15	2131-42-2	06/11/21 23:53	06/12/21 17:51	1
Naphthalene, 2,3,6-trimethyl-	2.0	J N	mg/Kg	☼	7.28	829-26-5	06/11/21 23:53	06/12/21 17:51	1
Naphthalene, 1,6,7-trimethyl-	1.8	J N	mg/Kg	☼	7.35	2245-38-7	06/11/21 23:53	06/12/21 17:51	1
Naphthalene, 1,4,5-trimethyl-	2.7	J N	mg/Kg	☼	7.44	2131-41-1	06/11/21 23:53	06/12/21 17:51	1
Unknown	2.0	J	mg/Kg	☼	7.63		06/11/21 23:53	06/12/21 17:51	1
Tridecane, 5-propyl-	4.8	J N	mg/Kg	☼	7.70	55045-11-9	06/11/21 23:53	06/12/21 17:51	1
Pentadecane, 2,6,10,14-tetramethyl-	6.2	J N	mg/Kg	☼	7.95	1921-70-6	06/11/21 23:53	06/12/21 17:51	1
Unknown	2.2	J	mg/Kg	☼	8.11		06/11/21 23:53	06/12/21 17:51	1
Heptadecane, 2,6,10,15-tetramethyl-	3.8	J N	mg/Kg	☼	8.39	54833-48-6	06/11/21 23:53	06/12/21 17:51	1
Unknown	2.3	J	mg/Kg	☼	9.03		06/11/21 23:53	06/12/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		10 - 123	06/11/21 23:53	06/12/21 17:51	1
2-Fluorobiphenyl	88		14 - 103	06/11/21 23:53	06/12/21 17:51	1
2-Fluorophenol (Surr)	80		10 - 105	06/11/21 23:53	06/12/21 17:51	1
Nitrobenzene-d5 (Surr)	83		11 - 104	06/11/21 23:53	06/12/21 17:51	1
Phenol-d5 (Surr)	87		15 - 100	06/11/21 23:53	06/12/21 17:51	1
Terphenyl-d14 (Surr)	97		12 - 126	06/11/21 23:53	06/12/21 17:51	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 08:05	06/13/21 17:58	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 08:05	06/13/21 17:58	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 08:05	06/13/21 17:58	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 08:05	06/13/21 17:58	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 08:05	06/13/21 17:58	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 08:05	06/13/21 17:58	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 08:05	06/13/21 17:58	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 08:05	06/13/21 17:58	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 08:05	06/13/21 17:58	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 08:05	06/13/21 17:58	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 08:05	06/13/21 17:58	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		06/13/21 08:05	06/13/21 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		33 - 150	06/13/21 08:05	06/13/21 17:58	1
2-Fluorobiphenyl	88		42 - 127	06/13/21 08:05	06/13/21 17:58	1
2-Fluorophenol (Surr)	49		18 - 72	06/13/21 08:05	06/13/21 17:58	1
Nitrobenzene-d5 (Surr)	99		46 - 137	06/13/21 08:05	06/13/21 17:58	1
Phenol-d5 (Surr)	30		10 - 50	06/13/21 08:05	06/13/21 17:58	1
Terphenyl-d14 (Surr)	111		39 - 150	06/13/21 08:05	06/13/21 17:58	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid
Percent Solids: 90.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/11/21 09:56	06/14/21 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*06/11/21 09:56*	*06/14/21 09:43*	*1*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*06/11/21 09:56*	*06/14/21 09:43*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*06/11/21 09:56*	*06/14/21 09:43*	*1*
Tetrachloro-m-xylene	*57*		*10 - 133*	*06/11/21 09:56*	*06/14/21 09:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 07:30	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:30	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 07:30	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 07:30	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 07:30	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:30	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:30*	*1*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:30*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:30*	*1*
Tetrachloro-m-xylene	*46*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1260	**0.38**		0.074	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1
Polychlorinated biphenyls, Total	**0.38**		0.074	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:11	1

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid
Percent Solids: 90.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*37 - 150*	*06/11/21 09:50*	*06/14/21 11:11*	*1*
DCB Decachlorobiphenyl	*110*		*37 - 150*	*06/11/21 09:50*	*06/14/21 11:11*	*1*
Tetrachloro-m-xylene	*82*		*54 - 150*	*06/11/21 09:50*	*06/14/21 11:11*	*1*
Tetrachloro-m-xylene	*91*		*54 - 150*	*06/11/21 09:50*	*06/14/21 11:11*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/11/21 23:57	06/14/21 09:06	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/11/21 23:57	06/14/21 09:06	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/11/21 23:57	06/14/21 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*65 - 150*	*06/11/21 23:57*	*06/14/21 09:06*	*1*
2,4-Dichlorophenylacetic acid	*80*		*65 - 150*	*06/11/21 23:57*	*06/14/21 09:06*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 13:57	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*48*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:57*	*1*
2,4-Dichlorophenylacetic acid	*53*		*28 - 150*	*06/13/21 23:40*	*06/14/21 13:57*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**3200**		22	22	mg/Kg	☼	06/11/21 10:57	06/12/21 14:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*47*		*40 - 140*	*06/11/21 10:57*	*06/12/21 14:38*	*10*
1-Chlorooctadecane	*108*		*40 - 140*	*06/11/21 10:57*	*06/12/21 14:38*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:34	5
Barium	**0.44**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:34	5
Cadmium	**0.0027**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:34	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:34	5
Lead	**0.17**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:34	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:34	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:34	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5250**		21.5	2.8	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Antimony	**0.43**	**J**	1.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Arsenic	**2.8**		1.1	0.11	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Barium	**21.6**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Beryllium	**0.72**		0.43	0.061	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Cadmium	**0.16**	**J**	1.1	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Calcium	**5340**		107	18.2	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Chromium	**8.1**		2.1	0.19	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid
Percent Solids: 90.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**4.9**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Copper	**24.9**		2.1	0.24	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Iron	**19500**		64.4	21.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Lead	**21.3**		0.64	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Magnesium	**2970**		107	10.9	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Manganese	**379**		4.3	0.43	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Nickel	**7.1**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Potassium	**454**		107	12.0	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Silver	1.1	U	1.1	0.096	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Sodium	**238**		107	16.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Thallium	0.43	U	0.43	0.044	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Vanadium	**22.3**		2.1	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1
Zinc	**47.7**		8.6	2.5	mg/Kg	☼	06/17/21 03:39	06/17/21 12:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.018	0.0042	mg/Kg	☼	06/14/21 03:50	06/14/21 09:06	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**	**HF**			SU			06/17/21 14:02	1
Corrosivity	**8.7**	**HF**			SU			06/17/21 14:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	U	0.47	0.16	mg/Kg	☼	06/15/21 19:05	06/16/21 00:50	1
Cyanide, Total	0.23	U	0.23	0.12	mg/Kg	☼	06/13/21 10:41	06/13/21 13:25	1
Oil & Grease	**805**		662	221	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**8.1**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/16/21 11:09	1
Percent Moisture	**9.5**		1.0	1.0	%			06/11/21 09:25	1
Percent Solids	**90.5**		1.0	1.0	%			06/11/21 09:25	1
Total Solids	**92.2**		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	**1.9**		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.8**				S.U.			06/11/21 10:08	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.0**				S.U.			06/12/21 10:08	1
Temperature	**23.0**				Degrees C			06/12/21 10:08	1

Client Sample ID: WL-3 (0-10)
Lab Sample ID: 460-236147-2
Date Collected: 06/09/21 12:00
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 90.5

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	**0.079**	**J**	0.10	0.050	mg/L			06/14/21 17:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1
Total Solids	**84.0**		10.0	10.0	mg/L			06/14/21 09:47	1

Client Sample ID: WL-4A (5-7)
Lab Sample ID: 460-236147-3
Date Collected: 06/09/21 13:20
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 83.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.12	U	0.12	0.035	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,1,2,2-Tetrachloroethane	0.12	U	0.12	0.024	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	0.12	0.042	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,1,2-Trichloroethane	0.12	U	0.12	0.025	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,1-Dichloroethane	0.12	U	0.12	0.030	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,1-Dichloroethene	0.12	U	0.12	0.033	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2,3-Trichlorobenzene	0.12	U	0.12	0.043	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2,4-Trichlorobenzene	0.12	U	0.12	0.033	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2-Dibromo-3-Chloropropane	0.12	U	0.12	0.026	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2-Dichlorobenzene	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2-Dichloroethane	0.12	U	0.12	0.031	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,2-Dichloropropane	0.12	U	0.12	0.022	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,3-Dichlorobenzene	0.12	U	0.12	0.041	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
1,4-Dichlorobenzene	0.12	U	0.12	0.041	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
2-Butanone (MEK)	0.62	U	0.62	0.27	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
2-Hexanone	0.62	U	0.62	0.14	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
4-Methyl-2-pentanone (MIBK)	0.62	U	0.62	0.16	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Acetone	0.62	U	0.62	0.55	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Benzene	0.12	U	0.12	0.025	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Bromoform	0.12	U	0.12	0.022	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Bromomethane	0.12	U	0.12	0.068	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Carbon disulfide	0.12	U	0.12	0.083	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Carbon tetrachloride	0.12	U	0.12	0.041	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chlorobenzene	0.12	U	0.12	0.030	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chlorobromomethane	0.12	U	0.12	0.037	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chlorodibromomethane	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chloroethane	0.12	U	0.12	0.046	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chloroform	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Chloromethane	0.12	U	0.12	0.050	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
cis-1,2-Dichloroethene	0.12	U	0.12	0.032	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
cis-1,3-Dichloropropene	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Cyclohexane	**0.15**		0.12	0.032	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Dichlorobromomethane	0.12	U	0.12	0.019	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Dichlorodifluoromethane	0.12	U	0.12	0.038	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Ethylbenzene	**0.088**	**J**	0.12	0.037	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Ethylene Dibromide	0.12	U	0.12	0.023	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Isopropylbenzene	**1.6**		0.12	0.039	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Methyl acetate	0.62	U	0.62	0.097	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50

Client Sample ID: WL-4A (5-7)
Date Collected: 06/09/21 13:20
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-3
Matrix: Solid
Percent Solids: 83.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.12	U	0.12	0.026	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Methylcyclohexane	**3.7**		0.12	0.090	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Methylene Chloride	0.12	U	0.12	0.026	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
m-Xylene & p-Xylene	**1.9**		0.12	0.035	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
o-Xylene	**0.11**	**J**	0.12	0.039	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Styrene	0.12	U	0.12	0.021	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Tetrachloroethene	0.12	U	0.12	0.044	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Toluene	0.12	U	0.12	0.031	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
trans-1,2-Dichloroethene	0.12	U	0.12	0.022	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
trans-1,3-Dichloropropene	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Trichloroethene	0.12	U	0.12	0.027	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Trichlorofluoromethane	0.12	U	0.12	0.039	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50
Vinyl chloride	0.12	U	0.12	0.025	mg/Kg	☼	06/10/21 14:59	06/11/21 19:45	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1,2,4-trimethyl-	*48*	*J N*	*mg/Kg*	☼	*10.56*	*95-63-6*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Unknown	*36*	*J*	*mg/Kg*	☼	*11.00*		*06/10/21 14:59*	*06/11/21 19:45*	*50*
Unknown	*42*	*J*	*mg/Kg*	☼	*11.05*		*06/10/21 14:59*	*06/11/21 19:45*	*50*
Benzene, 1-methyl-4-(1-methylethyl)-	*36*	*J N*	*mg/Kg*	☼	*11.24*	*99-87-6*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Benzene, 2-ethyl-1,4-dimethyl-	*32*	*J N*	*mg/Kg*	☼	*11.29*	*1758-88-9*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
1-Phenyl-1-butene	*33*	*J N*	*mg/Kg*	☼	*11.37*	*824-90-8*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Benzene, 1,3-diethyl-5-methyl-	*32*	*J N*	*mg/Kg*	☼	*11.61*	*2050-24-0*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Unknown	*60*	*J*	*mg/Kg*	☼	*11.81*		*06/10/21 14:59*	*06/11/21 19:45*	*50*
Unknown	*33*	*J*	*mg/Kg*	☼	*12.02*		*06/10/21 14:59*	*06/11/21 19:45*	*50*
Benzene, (2-methyl-1-butenyl)-	*41*	*J N*	*mg/Kg*	☼	*12.10*	*56253-64-6*	*06/10/21 14:59*	*06/11/21 19:45*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 150*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
4-Bromofluorobenzene	*140*		*62 - 150*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Dibromofluoromethane (Surr)	*110*		*54 - 150*	*06/10/21 14:59*	*06/11/21 19:45*	*50*
Toluene-d8 (Surr)	*115*		*68 - 148*	*06/10/21 14:59*	*06/11/21 19:45*	*50*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/15/21 02:22	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/15/21 02:22	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/15/21 02:22	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/15/21 02:22	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/15/21 02:22	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/15/21 02:22	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/15/21 02:22	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/15/21 02:22	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/15/21 02:22	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/15/21 02:22	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/15/21 02:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/15/21 02:22*	*10*
4-Bromofluorobenzene	*96*		*76 - 120*		*06/15/21 02:22*	*10*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/15/21 02:22*	*10*

Client Sample ID: WL-4A (5-7)
Lab Sample ID: 460-236147-3
Date Collected: 06/09/21 13:20
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 83.0

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/15/21 02:22*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.0**		1.0	1.0	%			06/11/21 09:25	1
Percent Solids	**83.0**		1.0	1.0	%			06/11/21 09:25	1

Client Sample ID: WL-4 (0-10)
Lab Sample ID: 460-236147-4
Date Collected: 06/09/21 13:30
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 88.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0050	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0068	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Methylnaphthalene	**8.1**		0.37	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
3-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Acenaphthene	**0.51**		0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Acenaphthylene	**0.22**	**J**	0.37	0.0038	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Benzo[a]anthracene	**0.10**		0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Benzo[a]pyrene	**0.083**		0.037	0.010	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Benzo[b]fluoranthene	**0.14**		0.037	0.0097	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-4 (0-10)
Date Collected: 06/09/21 13:30
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-4
Matrix: Solid
Percent Solids: 88.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.048**	**J**	0.37	0.011	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Benzo[k]fluoranthene	**0.044**		0.037	0.0073	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Chrysene	**0.13**	**J**	0.37	0.0063	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Dibenz(a,h)anthracene	**0.018**	**J**	0.037	0.016	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Dibenzofuran	**0.49**		0.37	0.0053	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Diethyl phthalate	0.37	U	0.37	0.0054	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Fluoranthene	**0.33**	**J**	0.37	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Fluorene	**0.80**		0.37	0.0051	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Indeno[1,2,3-cd]pyrene	**0.054**		0.037	0.015	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Naphthalene	**0.91**		0.37	0.0065	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Nitrobenzene	0.037	U	0.037	0.0090	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Phenanthrene	**2.0**		0.37	0.0066	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1
Pyrene	**0.33**	**J**	0.37	0.0093	mg/Kg	☼	06/11/21 23:53	06/12/21 18:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*19*	*A J*	*mg/Kg*	☼	*2.63*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Unknown	*4.1*	*J*	*mg/Kg*	☼	*5.47*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Unknown	*5.0*	*J*	*mg/Kg*	☼	*5.67*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Unknown	*8.1*	*J*	*mg/Kg*	☼	*5.81*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Benzocycloheptatriene	*6.8*	*J N*	*mg/Kg*	☼	*6.15*	*264-09-5*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Unknown	*4.5*	*J*	*mg/Kg*	☼	*6.59*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 2,6-dimethyl-	*8.0*	*J N*	*mg/Kg*	☼	*6.67*	*581-42-0*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 2,7-dimethyl-	*12*	*J N*	*mg/Kg*	☼	*6.74*	*582-16-1*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 1,6-dimethyl-	*9.9*	*J N*	*mg/Kg*	☼	*6.77*	*575-43-9*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Dodecane, 2,6,10-trimethyl-	*14*	*J N*	*mg/Kg*	☼	*6.83*	*3891-98-3*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 1,4,6-trimethyl-	*5.2*	*J N*	*mg/Kg*	☼	*7.16*	*2131-42-2*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 1,6,7-trimethyl-	*4.4*	*J N*	*mg/Kg*	☼	*7.29*	*2245-38-7*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 2,3,6-trimethyl-	*4.7*	*J N*	*mg/Kg*	☼	*7.37*	*829-26-5*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Naphthalene, 1,4,5-trimethyl-	*6.3*	*J N*	*mg/Kg*	☼	*7.44*	*2131-41-1*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Unknown	*5.0*	*J*	*mg/Kg*	☼	*7.63*		*06/11/21 23:53*	*06/12/21 18:14*	*1*
Tridecane, 5-propyl-	*12*	*J N*	*mg/Kg*	☼	*7.71*	*55045-11-9*	*06/11/21 23:53*	*06/12/21 18:14*	*1*
Dodecane, 4,6-dimethyl-	*11*	*J N*	*mg/Kg*	☼	*7.96*	*61141-72-8*	*06/11/21 23:53*	*06/12/21 18:14*	*1*

Client Sample ID: WL-4 (0-10)
Lab Sample ID: 460-236147-4
Date Collected: 06/09/21 13:30
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 88.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
9H-Fluorene, 9-methyl-	4.3	J N	mg/Kg	☼	8.12	2523-37-7	06/11/21 23:53	06/12/21 18:14	1
Pentadecane	7.8	J N	mg/Kg	☼	8.40	629-62-9	06/11/21 23:53	06/12/21 18:14	1
Phenanthrene, 2-methyl-	4.3	J N	mg/Kg	☼	9.04	2531-84-2	06/11/21 23:53	06/12/21 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		10 - 123	06/11/21 23:53	06/12/21 18:14	1
2-Fluorobiphenyl	88		14 - 103	06/11/21 23:53	06/12/21 18:14	1
2-Fluorophenol (Surr)	88		10 - 105	06/11/21 23:53	06/12/21 18:14	1
Nitrobenzene-d5 (Surr)	99		11 - 104	06/11/21 23:53	06/12/21 18:14	1
Phenol-d5 (Surr)	92		15 - 100	06/11/21 23:53	06/12/21 18:14	1
Terphenyl-d14 (Surr)	96		12 - 126	06/11/21 23:53	06/12/21 18:14	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 08:05	06/13/21 18:19	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 08:05	06/13/21 18:19	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 08:05	06/13/21 18:19	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 08:05	06/13/21 18:19	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 08:05	06/13/21 18:19	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 08:05	06/13/21 18:19	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 08:05	06/13/21 18:19	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 08:05	06/13/21 18:19	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 08:05	06/13/21 18:19	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 08:05	06/13/21 18:19	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 08:05	06/13/21 18:19	1
Pyridine	0.010	U *	0.010	0.0019	mg/L		06/13/21 08:05	06/13/21 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		33 - 150	06/13/21 08:05	06/13/21 18:19	1
2-Fluorobiphenyl	89		42 - 127	06/13/21 08:05	06/13/21 18:19	1
2-Fluorophenol (Surr)	54		18 - 72	06/13/21 08:05	06/13/21 18:19	1
Nitrobenzene-d5 (Surr)	98		46 - 137	06/13/21 08:05	06/13/21 18:19	1
Phenol-d5 (Surr)	35		10 - 50	06/13/21 08:05	06/13/21 18:19	1
Terphenyl-d14 (Surr)	106		39 - 150	06/13/21 08:05	06/13/21 18:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1

Client Sample ID: WL-4 (0-10)
Lab Sample ID: 460-236147-4
Date Collected: 06/09/21 13:30
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 88.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	06/11/21 09:56	06/14/21 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*33*		*10 - 150*	*06/11/21 09:56*	*06/14/21 09:59*	*1*
DCB Decachlorobiphenyl	*26*		*10 - 150*	*06/11/21 09:56*	*06/14/21 09:59*	*1*
Tetrachloro-m-xylene	*39*		*10 - 133*	*06/11/21 09:56*	*06/14/21 09:59*	*1*
Tetrachloro-m-xylene	*38*		*10 - 133*	*06/11/21 09:56*	*06/14/21 09:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 07:44	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:44	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 07:44	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 07:44	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 07:44	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 07:44	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:44*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:44*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:44*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*06/13/21 13:58*	*06/15/21 07:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1221	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1232	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1242	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1248	**0.63**		0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1254	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1260	**0.16**		0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor-1262	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Aroclor 1268	0.076	U	0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1
Polychlorinated biphenyls, Total	**0.79**		0.076	0.010	mg/Kg	☼	06/11/21 09:50	06/14/21 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*37 - 150*	*06/11/21 09:50*	*06/14/21 11:27*	*1*
DCB Decachlorobiphenyl	*59*		*37 - 150*	*06/11/21 09:50*	*06/14/21 11:27*	*1*
Tetrachloro-m-xylene	*53*	*	*54 - 150*	*06/11/21 09:50*	*06/14/21 11:27*	*1*
Tetrachloro-m-xylene	*58*		*54 - 150*	*06/11/21 09:50*	*06/14/21 11:27*	*1*

Client Sample ID: WL-4 (0-10)
Date Collected: 06/09/21 13:30
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-4
Matrix: Solid
Percent Solids: 88.4

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.038	U	0.038	0.0080	mg/Kg	☼	06/11/21 23:57	06/14/21 10:49	1
2,4-D	0.038	U	0.038	0.014	mg/Kg	☼	06/11/21 23:57	06/14/21 10:49	1
Silvex (2,4,5-TP)	0.038	U	0.038	0.0039	mg/Kg	☼	06/11/21 23:57	06/14/21 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*65 - 150*	*06/11/21 23:57*	*06/14/21 10:49*	*1*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*06/11/21 23:57*	*06/14/21 10:49*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 14:33	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*28 - 150*	*06/13/21 23:40*	*06/14/21 14:33*	*1*
2,4-Dichlorophenylacetic acid	*67*		*28 - 150*	*06/13/21 23:40*	*06/14/21 14:33*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**1800**		23	23	mg/Kg	☼	06/11/21 10:57	06/12/21 16:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*40 - 140*	*06/11/21 10:57*	*06/12/21 16:03*	*10*
1-Chlorooctadecane	*93*		*40 - 140*	*06/11/21 10:57*	*06/12/21 16:03*	*10*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:38	5
Barium	**0.60**	**J**	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:38	5
Cadmium	**0.0078**	**J**	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:38	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:38	5
Lead	**0.11**		0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:38	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:38	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:38	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3380**		21.0	2.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Antimony	**0.34**	**J**	1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Arsenic	**4.4**		1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Barium	**44.1**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Beryllium	**0.23**	**J**	0.42	0.060	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Cadmium	**0.18**	**J**	1.0	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Calcium	**9520**		105	17.8	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Chromium	**7.8**		2.1	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Cobalt	**3.3**		2.1	0.16	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Copper	**26.6**		2.1	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Iron	**8400**		62.9	21.2	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Lead	**26.0**		0.63	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Magnesium	**1880**		105	10.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Manganese	**191**		4.2	0.42	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1

Client Sample ID: WL-4 (0-10)
Date Collected: 06/09/21 13:30
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-4
Matrix: Solid
Percent Solids: 88.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**7.6**		2.1	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Potassium	**552**		105	11.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Selenium	**0.17**	**J**	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Sodium	**388**		105	16.3	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Thallium	**0.045**	**J**	0.42	0.043	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Vanadium	**11.0**		2.1	0.22	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1
Zinc	**25.4**		8.4	2.4	mg/Kg	☼	06/17/21 03:39	06/17/21 12:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 15:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.017	0.0041	mg/Kg	☼	06/14/21 03:50	06/14/21 09:08	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**			SU			06/17/21 14:07	1
Corrosivity	**8.2**	**HF**			SU			06/17/21 14:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/15/21 19:05	06/16/21 00:50	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	06/13/21 10:41	06/13/21 13:26	1
Oil & Grease	**5320**		661	220	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**7.8**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/16/21 11:09	1
Percent Moisture	**11.6**		1.0	1.0	%			06/11/21 09:25	1
Percent Solids	**88.4**		1.0	1.0	%			06/11/21 09:25	1
Total Solids	**8.6**		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	**5.5**		0.10	0.10	%			06/11/21 14:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.4**				S.U.			06/11/21 10:08	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.1**				S.U.			06/12/21 10:08	1
Temperature	**23.0**				Degrees C			06/12/21 10:08	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.2	U	5.2	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:31	1

Client Sample ID: WL-4 (0-10)
Lab Sample ID: 460-236147-4
Date Collected: 06/09/21 13:30
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	11.9		10.0	10.0	mg/Kg			06/19/21 18:45	1
Total Solids	177		10.0	10.0	mg/L			06/14/21 09:47	1

Client Sample ID: WL-6 (0-10)
Lab Sample ID: 460-236240-1
Date Collected: 06/10/21 12:10
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 90.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0049	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Acenaphthylene	0.36	U	0.36	0.0037	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzo[a]anthracene	0.036	U	0.036	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1

Client Sample ID: WL-6 (0-10)
Date Collected: 06/10/21 12:10
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-1
Matrix: Solid
Percent Solids: 90.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Chrysene	0.36	U	0.36	0.0062	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Dibenzofuran	0.36	U	0.36	0.0051	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Fluorene	0.36	U	0.36	0.0050	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Nitrobenzene	0.036	U	0.036	0.0088	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Phenanthrene	0.36	U	0.36	0.0064	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1
Pyrene	0.36	U	0.36	0.0091	mg/Kg	☼	06/14/21 09:30	06/15/21 00:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.88*	*A J*	*mg/Kg*	☼	*2.60*		*06/14/21 09:30*	*06/15/21 00:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 123*	*06/14/21 09:30*	*06/15/21 00:00*	*1*
2-Fluorobiphenyl	*77*		*14 - 103*	*06/14/21 09:30*	*06/15/21 00:00*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 105*	*06/14/21 09:30*	*06/15/21 00:00*	*1*
Nitrobenzene-d5 (Surr)	*72*		*11 - 104*	*06/14/21 09:30*	*06/15/21 00:00*	*1*
Phenol-d5 (Surr)	*73*		*15 - 100*	*06/14/21 09:30*	*06/15/21 00:00*	*1*
Terphenyl-d14 (Surr)	*89*		*12 - 126*	*06/14/21 09:30*	*06/15/21 00:00*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/14/21 09:03	06/15/21 00:41	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/14/21 09:03	06/15/21 00:41	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/14/21 09:03	06/15/21 00:41	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/14/21 09:03	06/15/21 00:41	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/14/21 09:03	06/15/21 00:41	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/14/21 09:03	06/15/21 00:41	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/14/21 09:03	06/15/21 00:41	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/14/21 09:03	06/15/21 00:41	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/14/21 09:03	06/15/21 00:41	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/14/21 09:03	06/15/21 00:41	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-6 (0-10)
Date Collected: 06/10/21 12:10
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-1
Matrix: Solid
Percent Solids: 90.5

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/14/21 09:03	06/15/21 00:41	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/14/21 09:03	06/15/21 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*33 - 150*	*06/14/21 09:03*	*06/15/21 00:41*	*1*
2-Fluorobiphenyl	*47*		*42 - 127*	*06/14/21 09:03*	*06/15/21 00:41*	*1*
2-Fluorophenol (Surr)	*47*		*18 - 72*	*06/14/21 09:03*	*06/15/21 00:41*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 137*	*06/14/21 09:03*	*06/15/21 00:41*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*06/14/21 09:03*	*06/15/21 00:41*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*06/14/21 09:03*	*06/15/21 00:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/12/21 15:06	06/14/21 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*06/12/21 15:06*	*06/14/21 12:12*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 150*	*06/12/21 15:06*	*06/14/21 12:12*	*1*
Tetrachloro-m-xylene	*71*		*10 - 133*	*06/12/21 15:06*	*06/14/21 12:12*	*1*
Tetrachloro-m-xylene	*65*		*10 - 133*	*06/12/21 15:06*	*06/14/21 12:12*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/14/21 14:27	06/15/21 06:13	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:13	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/14/21 14:27	06/15/21 06:13	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/14/21 14:27	06/15/21 06:13	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/14/21 14:27	06/15/21 06:13	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:13	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/14/21 14:27	06/15/21 06:13	1

Client Sample ID: WL-6 (0-10)
Date Collected: 06/10/21 12:10
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-1
Matrix: Solid
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		10 - 150	06/14/21 14:27	06/15/21 06:13	1
DCB Decachlorobiphenyl	46		10 - 150	06/14/21 14:27	06/15/21 06:13	1
Tetrachloro-m-xylene	60		10 - 150	06/14/21 14:27	06/15/21 06:13	1
Tetrachloro-m-xylene	63		10 - 150	06/14/21 14:27	06/15/21 06:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		37 - 150	06/12/21 15:02	06/14/21 11:20	1
DCB Decachlorobiphenyl	100		37 - 150	06/12/21 15:02	06/14/21 11:20	1
Tetrachloro-m-xylene	93		54 - 150	06/12/21 15:02	06/14/21 11:20	1
Tetrachloro-m-xylene	93		54 - 150	06/12/21 15:02	06/14/21 11:20	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/14/21 23:05	06/15/21 14:45	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/14/21 23:05	06/15/21 14:45	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/14/21 23:05	06/15/21 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	82		65 - 150	06/14/21 23:05	06/15/21 14:45	1
2,4-Dichlorophenylacetic acid	80		65 - 150	06/14/21 23:05	06/15/21 14:45	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		06/14/21 14:34	06/15/21 12:02	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/14/21 14:34	06/15/21 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	90		28 - 150	06/14/21 14:34	06/15/21 12:02	1
2,4-Dichlorophenylacetic acid	96		28 - 150	06/14/21 14:34	06/15/21 12:02	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	**540**		22	22	mg/Kg	☼	06/14/21 10:17	06/15/21 16:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		40 - 140	06/14/21 10:17	06/15/21 16:42	10
1-Chlorooctadecane	99		40 - 140	06/14/21 10:17	06/15/21 16:42	10

Client Sample ID: WL-6 (0-10)
Date Collected: 06/10/21 12:10
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-1
Matrix: Solid
Percent Solids: 90.5

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/15/21 06:46	06/15/21 14:03	5
Barium	**0.39**	**J**	1.0	0.066	mg/L		06/15/21 06:46	06/15/21 14:03	5
Cadmium	**0.0037**	**J**	0.020	0.0016	mg/L		06/15/21 06:46	06/15/21 14:03	5
Chromium	0.050	U	0.050	0.025	mg/L		06/15/21 06:46	06/15/21 14:03	5
Lead	**0.077**		0.050	0.012	mg/L		06/15/21 06:46	06/15/21 14:03	5
Selenium	0.10	U	0.10	0.029	mg/L		06/15/21 06:46	06/15/21 14:03	5
Silver	0.050	U	0.050	0.029	mg/L		06/15/21 06:46	06/15/21 14:03	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4100**		20.8	2.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Arsenic	**1.2**		1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Barium	**21.0**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Beryllium	**0.23**	**J**	0.42	0.059	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Cadmium	**0.15**	**J**	1.0	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Calcium	**961**		104	17.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Chromium	**11.4**		2.1	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Cobalt	**3.4**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Copper	**21.1**		2.1	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Iron	**9350**		62.5	21.0	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Lead	**6.3**		0.63	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Magnesium	**1420**		104	10.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Manganese	**188**		4.2	0.42	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Nickel	**7.6**		2.1	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Potassium	**427**		104	11.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Silver	1.0	U	1.0	0.093	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Sodium	**219**		104	16.3	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Thallium	0.42	U	0.42	0.043	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Vanadium	**22.1**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1
Zinc	**23.0**		8.3	2.4	mg/Kg	☼	06/17/21 03:39	06/17/21 12:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 14:01	06/14/21 15:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.058**		0.017	0.0041	mg/Kg	☼	06/14/21 04:14	06/14/21 09:45	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**	**HF**			SU			06/17/21 14:09	1
Corrosivity	**7.9**	**HF**			SU			06/17/21 14:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.48	U	0.48	0.16	mg/Kg	☼	06/15/21 19:05	06/16/21 00:50	1
Cyanide, Total	0.23	U	0.23	0.12	mg/Kg	☼	06/16/21 14:15	06/17/21 20:09	1
Oil & Grease	**342**	**J**	662	221	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Client Sample ID: WL-6 (0-10)
Lab Sample ID: 460-236240-1

Date Collected: 06/10/21 12:10
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 90.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**11.4**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/16/21 11:09	1
Percent Moisture	**9.5**		1.0	1.0	%			06/11/21 15:03	1
Percent Solids	**90.5**		1.0	1.0	%			06/11/21 15:03	1
Total Solids	**93.4**		0.10	0.10	%			06/14/21 08:58	1
Total Volatile Solids	**1.9**		0.10	0.10	%			06/14/21 08:58	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**9.5**				S.U.			06/13/21 10:08	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.7**				S.U.			06/14/21 10:08	1
Temperature	**23.0**				Degrees C			06/14/21 10:08	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1
Total Solids	**124**		10.0	10.0	mg/L			06/14/21 12:55	1

Client Sample ID: WL-6C (6-8)
Lab Sample ID: 460-236240-2

Date Collected: 06/10/21 12:15
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 86.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00063	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00058	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
2-Butanone (MEK)	0.0069	U	0.0069	0.00050	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
2-Hexanone	0.0069	U	0.0069	0.0023	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
4-Methyl-2-pentanone (MIBK)	0.0069	U	0.0069	0.0021	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Acetone	0.0082	U	0.0082	0.0078	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1

Client Sample ID: WL-6C (6-8)
Date Collected: 06/10/21 12:15
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-2
Matrix: Solid
Percent Solids: 86.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Bromoform	0.0014	U	0.0014	0.00058	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Bromomethane	0.0027	U	0.0027	0.0014	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Carbon tetrachloride	0.0014	U	0.0014	0.00053	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chloroethane	0.0014	U	0.0014	0.00072	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Chloromethane	0.0014	U	0.0014	0.00060	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00049	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Methyl acetate	0.0069	U	0.0069	0.0059	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00070	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Methylcyclohexane	0.0014	U	0.0014	0.00068	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Methylene Chloride	0.0027	U	0.0027	0.0016	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Trichloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00056	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1
Vinyl chloride	0.0014	U	0.0014	0.00075	mg/Kg	☼	06/11/21 15:11	06/13/21 08:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/11/21 15:11*	*06/13/21 08:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*	*06/11/21 15:11*	*06/13/21 08:01*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*06/11/21 15:11*	*06/13/21 08:01*	*1*
Dibromofluoromethane (Surr)	*98*		*48 - 150*	*06/11/21 15:11*	*06/13/21 08:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*06/11/21 15:11*	*06/13/21 08:01*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/16/21 19:34	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/16/21 19:34	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/16/21 19:34	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/16/21 19:34	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/16/21 19:34	10

Client Sample ID: WL-6C (6-8)
Lab Sample ID: 460-236240-2
Date Collected: 06/10/21 12:15
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 86.0

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/16/21 19:34	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/16/21 19:34	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/16/21 19:34	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/16/21 19:34	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/16/21 19:34	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/16/21 19:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*06/16/21 19:34*	*10*
4-Bromofluorobenzene	*95*		*76 - 120*		*06/16/21 19:34*	*10*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*06/16/21 19:34*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/16/21 19:34*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.0**		1.0	1.0	%			06/11/21 15:03	1
Percent Solids	**86.0**		1.0	1.0	%			06/11/21 15:03	1

Client Sample ID: WL-5 (0-10)
Lab Sample ID: 460-236240-3
Date Collected: 06/10/21 13:20
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 90.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.0049	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.0066	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4-Dimethylphenol	0.37	U	0.37	0.016	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Nitroaniline	0.37	U	0.37	0.014	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
3-Nitroaniline	0.37	U	0.37	0.041	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-5 (0-10)
Date Collected: 06/10/21 13:20
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-3
Matrix: Solid
Percent Solids: 90.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Acenaphthylene	0.37	U	0.37	0.0037	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzo[a]anthracene	0.037	U	0.037	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Chrysene	0.37	U	0.37	0.0062	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Dibenzofuran	0.37	U	0.37	0.0051	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Diethyl phthalate	0.37	U	0.37	0.0053	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Fluorene	0.37	U	0.37	0.0050	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Nitrobenzene	0.037	U	0.037	0.0088	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Phenanthrene	0.37	U	0.37	0.0064	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	06/14/21 09:30	06/14/21 22:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.1*	*A J*	*mg/Kg*	☼	*2.61*		*06/14/21 09:30*	*06/14/21 22:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 123*	*06/14/21 09:30*	*06/14/21 22:04*	*1*
2-Fluorobiphenyl	*77*		*14 - 103*	*06/14/21 09:30*	*06/14/21 22:04*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 105*	*06/14/21 09:30*	*06/14/21 22:04*	*1*

Client Sample ID: WL-5 (0-10)
Date Collected: 06/10/21 13:20
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-3
Matrix: Solid
Percent Solids: 90.4

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*11 - 104*	*06/14/21 09:30*	*06/14/21 22:04*	*1*
Phenol-d5 (Surr)	*79*		*15 - 100*	*06/14/21 09:30*	*06/14/21 22:04*	*1*
Terphenyl-d14 (Surr)	*88*		*12 - 126*	*06/14/21 09:30*	*06/14/21 22:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U *	0.010	0.00044	mg/L		06/14/21 09:03	06/15/21 01:02	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/14/21 09:03	06/15/21 01:02	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/14/21 09:03	06/15/21 01:02	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/14/21 09:03	06/15/21 01:02	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/14/21 09:03	06/15/21 01:02	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/14/21 09:03	06/15/21 01:02	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/14/21 09:03	06/15/21 01:02	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/14/21 09:03	06/15/21 01:02	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/14/21 09:03	06/15/21 01:02	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/14/21 09:03	06/15/21 01:02	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/14/21 09:03	06/15/21 01:02	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/14/21 09:03	06/15/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 150*	*06/14/21 09:03*	*06/15/21 01:02*	*1*
2-Fluorobiphenyl	*57*		*42 - 127*	*06/14/21 09:03*	*06/15/21 01:02*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*06/14/21 09:03*	*06/15/21 01:02*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 137*	*06/14/21 09:03*	*06/15/21 01:02*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*06/14/21 09:03*	*06/15/21 01:02*	*1*
Terphenyl-d14 (Surr)	*110*		*39 - 150*	*06/14/21 09:03*	*06/15/21 01:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/12/21 15:06	06/14/21 11:57	1

Client Sample ID: WL-5 (0-10)
Date Collected: 06/10/21 13:20
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-3
Matrix: Solid
Percent Solids: 90.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		10 - 150	06/12/21 15:06	06/14/21 11:57	1
DCB Decachlorobiphenyl	72		10 - 150	06/12/21 15:06	06/14/21 11:57	1
Tetrachloro-m-xylene	71		10 - 133	06/12/21 15:06	06/14/21 11:57	1
Tetrachloro-m-xylene	64		10 - 133	06/12/21 15:06	06/14/21 11:57	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/14/21 14:27	06/15/21 06:25	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:25	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/14/21 14:27	06/15/21 06:25	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/14/21 14:27	06/15/21 06:25	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/14/21 14:27	06/15/21 06:25	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:25	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/14/21 14:27	06/15/21 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		10 - 150	06/14/21 14:27	06/15/21 06:25	1
DCB Decachlorobiphenyl	45		10 - 150	06/14/21 14:27	06/15/21 06:25	1
Tetrachloro-m-xylene	59		10 - 150	06/14/21 14:27	06/15/21 06:25	1
Tetrachloro-m-xylene	61		10 - 150	06/14/21 14:27	06/15/21 06:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor-1262	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Aroclor 1268	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	06/12/21 15:02	06/14/21 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		37 - 150	06/12/21 15:02	06/14/21 10:33	1
DCB Decachlorobiphenyl	104		37 - 150	06/12/21 15:02	06/14/21 10:33	1
Tetrachloro-m-xylene	105		54 - 150	06/12/21 15:02	06/14/21 10:33	1
Tetrachloro-m-xylene	104		54 - 150	06/12/21 15:02	06/14/21 10:33	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/14/21 23:05	06/15/21 15:00	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/14/21 23:05	06/15/21 15:00	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/14/21 23:05	06/15/21 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	80		65 - 150	06/14/21 23:05	06/15/21 15:00	1
2,4-Dichlorophenylacetic acid	83		65 - 150	06/14/21 23:05	06/15/21 15:00	1

Client Sample ID: WL-5 (0-10)
Date Collected: 06/10/21 13:20
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-3
Matrix: Solid
Percent Solids: 90.4

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		06/14/21 14:34	06/15/21 12:16	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/14/21 14:34	06/15/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*28 - 150*	*06/14/21 14:34*	*06/15/21 12:16*	*1*
2,4-Dichlorophenylacetic acid	*96*		*28 - 150*	*06/14/21 14:34*	*06/15/21 12:16*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.2	U	2.2	2.2	mg/Kg	☼	06/14/21 10:17	06/15/21 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*126*		*40 - 140*	*06/14/21 10:17*	*06/15/21 16:57*	*1*
1-Chlorooctadecane	*131*		*40 - 140*	*06/14/21 10:17*	*06/15/21 16:57*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/15/21 06:46	06/15/21 14:07	5
Barium	**0.27**	**J**	1.0	0.066	mg/L		06/15/21 06:46	06/15/21 14:07	5
Cadmium	**0.0019**	**J**	0.020	0.0016	mg/L		06/15/21 06:46	06/15/21 14:07	5
Chromium	0.050	U	0.050	0.025	mg/L		06/15/21 06:46	06/15/21 14:07	5
Lead	**0.012**	**J**	0.050	0.012	mg/L		06/15/21 06:46	06/15/21 14:07	5
Selenium	0.10	U	0.10	0.029	mg/L		06/15/21 06:46	06/15/21 14:07	5
Silver	0.050	U	0.050	0.029	mg/L		06/15/21 06:46	06/15/21 14:07	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3390**		20.7	2.7	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Antimony	1.0	U	1.0	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Arsenic	**0.99**	**J**	1.0	0.10	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Barium	**17.8**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Beryllium	**0.25**	**J**	0.41	0.059	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Cadmium	**0.25**	**J**	1.0	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Calcium	**981**		103	17.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Chromium	**12.1**		2.1	0.18	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Cobalt	**3.2**		2.1	0.15	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Copper	**11.4**		2.1	0.23	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Iron	**9610**		62.1	20.9	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Lead	**2.7**		0.62	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Magnesium	**1660**		103	10.5	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Manganese	**125**		4.1	0.42	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Nickel	**9.8**		2.1	0.20	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Potassium	**464**		103	11.6	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Silver	1.0	U	1.0	0.092	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Sodium	**309**		103	16.1	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Thallium	0.41	U	0.41	0.042	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Vanadium	**15.4**		2.1	0.21	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1
Zinc	**29.6**		8.3	2.4	mg/Kg	☼	06/17/21 03:39	06/17/21 12:39	1

Client Sample ID: WL-5 (0-10)
Lab Sample ID: 460-236240-3

Date Collected: 06/10/21 13:20
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 90.4

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 14:01	06/14/21 15:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.018	0.0042	mg/Kg	☼	06/14/21 04:14	06/14/21 09:47	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.3**	**HF**			SU			06/17/21 14:13	1
Corrosivity	**7.3**	**HF**			SU			06/17/21 14:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	U	0.47	0.16	mg/Kg	☼	06/15/21 19:05	06/16/21 00:50	1
Cyanide, Total	0.26	U	0.26	0.14	mg/Kg	☼	06/16/21 14:15	06/17/21 20:13	1
Oil & Grease	648	U	648	216	mg/Kg	☼	06/22/21 20:00	06/23/21 09:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**12.1**		2.0	2.0	mg/Kg			06/18/21 06:45	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/16/21 11:09	1
Percent Moisture	**9.6**		1.0	1.0	%			06/11/21 15:03	1
Percent Solids	**90.4**		1.0	1.0	%			06/11/21 15:03	1
Total Solids	**86.0**		0.10	0.10	%			06/14/21 08:58	1
Total Volatile Solids	**0.93**		0.10	0.10	%			06/14/21 08:58	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**				S.U.			06/13/21 10:08	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.9**				S.U.			06/14/21 10:08	1
Temperature	**23.0**				Degrees C			06/14/21 10:08	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1
Total Solids	**76.0**		10.0	10.0	mg/L			06/14/21 12:55	1

Client Sample ID: WL-5C (5-7)
Lab Sample ID: 460-236240-4

Date Collected: 06/10/21 13:25
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 89.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-5C (5-7)
Date Collected: 06/10/21 13:25
Date Received: 06/10/21 20:00

Lab Sample ID: 460-236240-4
Matrix: Solid
Percent Solids: 89.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00053	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
2-Butanone (MEK)	0.0058	U	0.0058	0.00043	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
2-Hexanone	0.0058	U	0.0058	0.0020	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
4-Methyl-2-pentanone (MIBK)	0.0058	U	0.0058	0.0018	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Acetone	0.0070	U	0.0070	0.0066	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Bromoform	0.0012	U	0.0012	0.00049	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Chloromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00039	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00059	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Styrene	0.0012	U	0.0012	0.00032	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Tetrachloroethene	0.0012	U	0.0012	0.00035	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Trichloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1
Vinyl chloride	0.0012	U	0.0012	0.00063	mg/Kg	☼	06/11/21 15:10	06/13/21 12:17	1

Client Sample ID: WL-5C (5-7)
Lab Sample ID: 460-236240-4

Date Collected: 06/10/21 13:25
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 89.0

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			06/11/21 15:10	06/13/21 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 145	06/11/21 15:10	06/13/21 12:17	1
4-Bromofluorobenzene	107		70 - 139	06/11/21 15:10	06/13/21 12:17	1
Dibromofluoromethane (Surr)	97		48 - 150	06/11/21 15:10	06/13/21 12:17	1
Toluene-d8 (Surr)	102		80 - 120	06/11/21 15:10	06/13/21 12:17	1

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/16/21 20:00	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/16/21 20:00	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/16/21 20:00	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/16/21 20:00	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/16/21 20:00	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/16/21 20:00	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/16/21 20:00	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/16/21 20:00	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/16/21 20:00	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/16/21 20:00	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/16/21 20:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		06/16/21 20:00	10
4-Bromofluorobenzene	118		76 - 120		06/16/21 20:00	10
Dibromofluoromethane (Surr)	104		77 - 124		06/16/21 20:00	10
Toluene-d8 (Surr)	107		80 - 120		06/16/21 20:00	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.0		1.0	1.0	%			06/11/21 15:03	1
Percent Solids	89.0		1.0	1.0	%			06/11/21 15:03	1

Client Sample ID: CA-2E (0-2)
Lab Sample ID: 460-236396-1

Date Collected: 06/11/21 12:30
Matrix: Solid
Date Received: 06/11/21 19:00
Percent Solids: 89.1

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00064	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: CA-2E (0-2)
Date Collected: 06/11/21 12:30
Date Received: 06/11/21 19:00

Lab Sample ID: 460-236396-1
Matrix: Solid
Percent Solids: 89.1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
2-Butanone (MEK)	0.0070	U *	0.0070	0.00051	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Bromoform	0.0014	U	0.0014	0.00059	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	06/13/21 06:18	06/15/21 10:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*06/13/21 06:18*	*06/15/21 10:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 145*	*06/13/21 06:18*	*06/15/21 10:54*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/13/21 06:18*	*06/15/21 10:54*	*1*
Dibromofluoromethane (Surr)	*89*		*48 - 150*	*06/13/21 06:18*	*06/15/21 10:54*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/13/21 06:18*	*06/15/21 10:54*	*1*

Client Sample ID: CA-2E (0-2)
Lab Sample ID: 460-236396-1

Date Collected: 06/11/21 12:30
Matrix: Solid
Date Received: 06/11/21 19:00
Percent Solids: 89.1

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/16/21 20:26	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/16/21 20:26	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/16/21 20:26	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/16/21 20:26	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/16/21 20:26	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/16/21 20:26	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/16/21 20:26	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/16/21 20:26	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/16/21 20:26	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/16/21 20:26	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/16/21 20:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/16/21 20:26*	*10*
4-Bromofluorobenzene	*98*		*76 - 120*		*06/16/21 20:26*	*10*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*06/16/21 20:26*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/16/21 20:26*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		1.0	1.0	%			06/14/21 13:31	1
Percent Solids	**89.1**		1.0	1.0	%			06/14/21 13:31	1

Client Sample ID: CA-2 (0-2)
Lab Sample ID: 460-236396-2

Date Collected: 06/11/21 12:35
Matrix: Solid
Date Received: 06/11/21 19:00
Percent Solids: 91.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.0048	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.0066	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4-Dimethylphenol	0.36	U	0.36	0.016	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Methylnaphthalene	**0.054**	**J**	0.36	0.010	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Nitroaniline	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
3-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: CA-2 (0-2)
Date Collected: 06/11/21 12:35
Date Received: 06/11/21 19:00

Lab Sample ID: 460-236396-2
Matrix: Solid
Percent Solids: 91.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Acenaphthylene	**0.036**	**J**	0.36	0.0036	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Anthracene	**0.036**	**J**	0.36	0.011	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzo[a]anthracene	**0.13**		0.036	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzo[a]pyrene	**0.18**		0.036	0.0097	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzo[b]fluoranthene	**0.34**		0.036	0.0094	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzo[g,h,i]perylene	**0.16**	**J**	0.36	0.011	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Benzo[k]fluoranthene	**0.11**		0.036	0.0071	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Bis(2-ethylhexyl) phthalate	**0.023**	**J**	0.36	0.019	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Carbazole	**0.015**	**J**	0.36	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Chrysene	**0.17**	**J**	0.36	0.0061	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Dibenz(a,h)anthracene	**0.046**		0.036	0.016	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Dibenzofuran	**0.017**	**J**	0.36	0.0051	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Diethyl phthalate	0.36	U	0.36	0.0053	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Fluoranthene	**0.16**	**J**	0.36	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Fluorene	**0.0051**	**J**	0.36	0.0049	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.036	0.014	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Naphthalene	**0.043**	**J**	0.36	0.0063	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Nitrobenzene	0.036	U	0.036	0.0087	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Phenanthrene	**0.063**	**J**	0.36	0.0064	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1
Pyrene	**0.17**	**J**	0.36	0.0090	mg/Kg	☼	06/14/21 23:03	06/15/21 17:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.88*	*J A*	*mg/Kg*	☼	*2.60*		*06/14/21 23:03*	*06/15/21 17:04*	*1*

Client Sample ID: CA-2 (0-2)
Lab Sample ID: 460-236396-2
Date Collected: 06/11/21 12:35
Matrix: Solid
Date Received: 06/11/21 19:00
Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*103*		*10 - 123*	*06/14/21 23:03*	*06/15/21 17:04*	*1*
2-Fluorobiphenyl	*83*		*14 - 103*	*06/14/21 23:03*	*06/15/21 17:04*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 105*	*06/14/21 23:03*	*06/15/21 17:04*	*1*
Nitrobenzene-d5 (Surr)	*74*		*11 - 104*	*06/14/21 23:03*	*06/15/21 17:04*	*1*
Phenol-d5 (Surr)	*74*		*15 - 100*	*06/14/21 23:03*	*06/15/21 17:04*	*1*
Terphenyl-d14 (Surr)	*98*		*12 - 126*	*06/14/21 23:03*	*06/15/21 17:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/16/21 10:41	06/17/21 00:32	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/16/21 10:41	06/17/21 00:32	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/16/21 10:41	06/17/21 00:32	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/16/21 10:41	06/17/21 00:32	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/16/21 10:41	06/17/21 00:32	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/16/21 10:41	06/17/21 00:32	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/16/21 10:41	06/17/21 00:32	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/16/21 10:41	06/17/21 00:32	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/16/21 10:41	06/17/21 00:32	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/16/21 10:41	06/17/21 00:32	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/16/21 10:41	06/17/21 00:32	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/16/21 10:41	06/17/21 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*66*		*33 - 150*	*06/16/21 10:41*	*06/17/21 00:32*	*1*
2-Fluorobiphenyl	*39*	*	*42 - 127*	*06/16/21 10:41*	*06/17/21 00:32*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*06/16/21 10:41*	*06/17/21 00:32*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*	*06/16/21 10:41*	*06/17/21 00:32*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*06/16/21 10:41*	*06/17/21 00:32*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 150*	*06/16/21 10:41*	*06/17/21 00:32*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
4,4'-DDE	0.0073	U	0.0073	0.00087	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Heptachlor	0.0073	U	0.0073	0.00087	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1

Client Sample ID: CA-2 (0-2)
Date Collected: 06/11/21 12:35
Date Received: 06/11/21 19:00

Lab Sample ID: 460-236396-2
Matrix: Solid
Percent Solids: 91.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.073	U	0.073	0.027	mg/Kg	☼	06/14/21 18:20	06/15/21 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*06/14/21 18:20*	*06/15/21 10:29*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*06/14/21 18:20*	*06/15/21 10:29*	*1*
Tetrachloro-m-xylene	*94*		*10 - 133*	*06/14/21 18:20*	*06/15/21 10:29*	*1*
Tetrachloro-m-xylene	*91*		*10 - 133*	*06/14/21 18:20*	*06/15/21 10:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/16/21 10:54	06/17/21 05:32	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/16/21 10:54	06/17/21 05:32	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/16/21 10:54	06/17/21 05:32	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/16/21 10:54	06/17/21 05:32	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/16/21 10:54	06/17/21 05:32	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/16/21 10:54	06/17/21 05:32	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/16/21 10:54	06/17/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:32*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:32*	*1*
Tetrachloro-m-xylene	*35*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:32*	*1*
Tetrachloro-m-xylene	*33*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0098	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1221	0.073	U	0.073	0.0098	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1232	0.073	U	0.073	0.0098	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1242	0.073	U	0.073	0.0098	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1248	0.073	U	0.073	0.0098	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1260	**0.89**		0.073	0.010	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor-1262	0.073	U	0.073	0.010	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Aroclor 1268	0.073	U	0.073	0.010	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1
Polychlorinated biphenyls, Total	**0.89**		0.073	0.010	mg/Kg	☼	06/14/21 17:56	06/16/21 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*37 - 150*	*06/14/21 17:56*	*06/16/21 10:28*	*1*
DCB Decachlorobiphenyl	*108*		*37 - 150*	*06/14/21 17:56*	*06/16/21 10:28*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*06/14/21 17:56*	*06/16/21 10:28*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*06/14/21 17:56*	*06/16/21 10:28*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/13/21 23:42	06/15/21 08:52	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/13/21 23:42	06/15/21 08:52	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/13/21 23:42	06/15/21 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*65 - 150*	*06/13/21 23:42*	*06/15/21 08:52*	*1*

Client Sample ID: CA-2 (0-2)
Date Collected: 06/11/21 12:35
Date Received: 06/11/21 19:00

Lab Sample ID: 460-236396-2
Matrix: Solid
Percent Solids: 91.2

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*	*06/13/21 23:42*	*06/15/21 08:52*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U *	0.083	0.0050	mg/L		06/16/21 14:33	06/17/21 07:48	1
Silvex (2,4,5-TP)	0.083	U *	0.083	0.0040	mg/L		06/16/21 14:33	06/17/21 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*28 - 150*	*06/16/21 14:33*	*06/17/21 07:48*	*1*
2,4-Dichlorophenylacetic acid	*89*		*28 - 150*	*06/16/21 14:33*	*06/17/21 07:48*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/17/21 07:24	06/17/21 12:51	5
Barium	**0.52**	**J**	1.0	0.066	mg/L		06/17/21 07:24	06/17/21 12:51	5
Cadmium	**0.0079**	**J**	0.020	0.0016	mg/L		06/17/21 07:24	06/17/21 12:51	5
Chromium	0.050	U	0.050	0.025	mg/L		06/17/21 07:24	06/17/21 12:51	5
Lead	**0.092**		0.050	0.012	mg/L		06/17/21 07:24	06/17/21 12:51	5
Selenium	0.10	U	0.10	0.029	mg/L		06/17/21 07:24	06/17/21 12:51	5
Silver	0.050	U	0.050	0.029	mg/L		06/17/21 07:24	06/17/21 12:51	5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3920**		20.3	2.6	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Antimony	**2.6**		1.0	0.15	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Arsenic	**7.9**		1.0	0.10	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Barium	**41.1**		2.0	0.15	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Beryllium	**0.56**		0.41	0.058	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Cadmium	**0.72**	**J**	1.0	0.11	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Calcium	**7280**		102	17.3	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Chromium	**15.8**		2.0	0.18	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Cobalt	**6.2**		2.0	0.15	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Copper	**150**		2.0	0.22	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Iron	**27700**		60.9	20.5	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Lead	**205**		0.61	0.20	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Magnesium	**2690**		102	10.4	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Manganese	**284**		4.1	0.41	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Nickel	**15.8**		2.0	0.20	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Potassium	**363**		102	11.4	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Selenium	**0.64**	**J**	1.3	0.12	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Silver	**0.25**	**J**	1.0	0.090	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Sodium	**166**		102	15.8	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Thallium	**0.058**	**J**	0.41	0.042	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Vanadium	**25.3**		2.0	0.21	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1
Zinc	**113**		8.1	2.3	mg/Kg	☼	06/17/21 04:19	06/17/21 18:57	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00011**	**J B**	0.00020	0.000091	mg/L		06/16/21 12:40	06/16/21 14:51	1

Client Sample ID: CA-2 (0-2)
Date Collected: 06/11/21 12:35
Date Received: 06/11/21 19:00

Lab Sample ID: 460-236396-2
Matrix: Solid
Percent Solids: 91.2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.50**		0.018	0.0042	mg/Kg	☼	06/15/21 03:31	06/15/21 08:26	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.0**	**HF**			SU			06/17/21 14:28	1
Corrosivity	**8.0**	**HF**			SU			06/17/21 14:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**1.2**		0.48	0.16	mg/Kg	☼	06/15/21 19:05	06/16/21 00:50	1
Cyanide, Total	0.24	U	0.24	0.13	mg/Kg	☼	06/16/21 14:15	06/17/21 20:16	1
Oil & Grease	**1740**		649	216	mg/Kg	☼	06/17/21 16:57	06/18/21 16:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/17/21 08:33	1
Cr (III)	**14.6**		2.0	2.0	mg/Kg			06/18/21 11:11	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/16/21 11:09	1
Percent Moisture	**8.8**		1.0	1.0	%			06/14/21 13:31	1
Percent Solids	**91.2**		1.0	1.0	%			06/14/21 13:31	1
Total Solids	**91.8**		0.10	0.10	%			06/14/21 08:58	1
Total Volatile Solids	**1.0**		0.10	0.10	%			06/14/21 08:58	1

General Chemistry - Soluble

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.9**				S.U.			06/15/21 10:08	1

General Chemistry - TCLP

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.2**				S.U.			06/16/21 15:59	1
Temperature	**23.0**				Degrees C			06/16/21 15:59	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.3	U	5.3	1.5	mg/L			06/23/21 10:28	1
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 17:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1
Total Solids	**138**		10.0	10.0	mg/L			06/14/21 09:47	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-145)	(70-139)	(48-150)	(80-120)
460-236042-2	WC-21D (6-8)	84	98	85	93
460-236042-3	WC-21B (1-3)	94	106	90	97
460-236042-5	SP-1_WC-8_9_10_VOC	91	100	91	97
460-236042-7	SP-3_WC-14_VOC	102	113	104	107
460-236042-9	WC-22C (1-3)	102	108	98	104
460-236042-12	WC-21D_(15-17)	103	108	102	107
460-236042-14	WC-25D (1-3)	97	106	93	103
460-236101-2	SP-2_WC-11_VOC	93	107	94	101
460-236101-4	SP-4_WC-14_VOC	96	103	92	99
460-236101-5	WL-1A (7-9)	106	111	103	108
460-236101-7	SP-5_WC-17_VOC	95	104	91	101
460-236101-10	WL-2A (5-7)	92	111	95	117
460-236147-1	WL-3A (4-6)	88	138	90	109
460-236240-2	WL-6C (6-8)	94	108	98	105
460-236240-4	WL-5C (5-7)	94	107	97	102
460-236396-1	CA-2E (0-2)	86	100	89	99
LB3 460-783079/1-A	Method Blank	100	112	99	109
LB3 460-783323/1-A	Method Blank	90	108	96	106
LB3 460-783493/1-A	Method Blank	89	103	92	103
LB3 460-783730/1-A	Method Blank	83	100	88	97
LB3 460-783915/1-A	Method Blank	102	107	101	109
LCS 460-783126/4	Lab Control Sample	86	102	86	101
LCS 460-783273/4	Lab Control Sample	86	96	88	97
LCS 460-783364/3	Lab Control Sample	94	110	95	108
LCS 460-783514/3	Lab Control Sample	103	113	101	114
LCS 460-783905/4	Lab Control Sample	84	102	87	100
LCS 460-784241/3	Lab Control Sample	92	102	92	103
LCS 460-784815/4	Lab Control Sample	93	102	95	102
LCSD 460-783126/5	Lab Control Sample Dup	87	101	89	98
LCSD 460-783273/5	Lab Control Sample Dup	100	118	101	113
LCSD 460-783364/4	Lab Control Sample Dup	86	102	86	100
LCSD 460-783514/4	Lab Control Sample Dup	97	112	95	110
LCSD 460-783905/34	Lab Control Sample Dup	91	103	93	103
LCSD 460-784241/4	Lab Control Sample Dup	98	109	99	108
LCSD 460-784815/5	Lab Control Sample Dup	101	110	100	109
MB 460-783126/8	Method Blank	87	106	92	101
MB 460-783273/8	Method Blank	95	106	97	105
MB 460-783364/7	Method Blank	82	102	85	103
MB 460-783514/7	Method Blank	87	102	90	99
MB 460-783905/7	Method Blank	90	100	91	98
MB 460-784241/7	Method Blank	102	111	102	108
MB 460-784815/8	Method Blank	96	108	100	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-150)	(62-150)	(54-150)	(68-148)
460-236147-3	WL-4A (5-7)	114	140	110	115
LCS 460-783642/3	Lab Control Sample	88	111	92	96
LCSD 460-783642/4	Lab Control Sample Dup	95	122	100	106
MB 460-783642/8	Method Blank	94	121	99	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
LCS 460-783376/4	Lab Control Sample	95	92	96	95
LCS 460-783615/4	Lab Control Sample	96	89	97	95
LCS 460-783750/3	Lab Control Sample	94	91	96	94
LCS 460-784181/3	Lab Control Sample	99	106	105	103
LCS 460-784471/4	Lab Control Sample	101	108	105	108
LCSD 460-783376/5	Lab Control Sample Dup	91	90	91	94
LCSD 460-783615/5	Lab Control Sample Dup	100	94	102	101
LCSD 460-783750/4	Lab Control Sample Dup	104	101	108	105
LCSD 460-784181/4	Lab Control Sample Dup	95	99	97	99
LCSD 460-784471/5	Lab Control Sample Dup	102	113	105	107
MB 460-783376/9	Method Blank	98	91	100	98
MB 460-783615/9	Method Blank	103	89	103	97
MB 460-783750/8	Method Blank	100	89	100	94
MB 460-784181/8	Method Blank	96	95	87	97
MB 460-784471/8	Method Blank	98	91	96	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-236042-2	WC-21D (6-8)	103	92	106	96
460-236042-3	WC-21B (1-3)	103	91	102	98
460-236042-5	SP-1_WC-8_9_10_VOC	105	91	103	98
460-236042-7	SP-3_WC-14_VOC	94	86	94	91
460-236042-9	WC-22C (1-3)	82	74 *	83	77 *
460-236042-12	WC-21D_(15-17)	102	89	100	95
460-236042-14	WC-25D (1-3)	89	78	88	85

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-236101-2	SP-2_WC-11_VOC	107	101	107	103
460-236101-4	SP-4_WC-14_VOC	96	90	97	94
460-236101-5	WL-1A (7-9)	97	87	96	91
460-236101-7	SP-5_WC-17_VOC	103	95	103	98
460-236101-10	WL-2A (5-7)	96	88	96	92
460-236147-1	WL-3A (4-6)	103	100	108	90
460-236147-3	WL-4A (5-7)	96	96	103	96
460-236240-2	WL-6C (6-8)	101	95	101	96
460-236240-4	WL-5C (5-7)	100	118	104	107
460-236396-1	CA-2E (0-2)	104	98	105	95
LB 460-783113/1-A	Method Blank	99	94	99	96
LB 460-783358/1-A	Method Blank	104	87	104	94
LB 460-783590/1-A	Method Blank	119	119	119	136 *
LB 460-783980/1-A	Method Blank	98	96	113	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-236042-1	WC-21 (0-5)	50	57	55	54	51	55
460-236042-4	SP-1_WC-8_9_10	68	70	64	61	61	69
460-236042-6	SP-3_WC-14	47	60	60	60	57	73
460-236042-8	WC-22 (0-5)	51	59	55	55	53	57
460-236042-10	WC-21_WC-22 (5-10)	56	69	70	68	67	89
460-236042-11	WC-21_WC-22 (10-18)	38	56	57	55	55	72
460-236042-13	WC-25 (0-5)	53	65	60	62	61	67
460-236101-1	SP-2_WC-11_12_13	81	78	72	75	79	94
460-236101-1 MS	SP-2_WC-11_12_13	96	82	83	84	86	99
460-236101-1 MSD	SP-2_WC-11_12_13	95	83	81	83	85	101
460-236101-3	SP-4_WC-14_15	82	85	84	84	87	100
460-236101-6	SP-5_WC-16-17	94	84	78	79	84	98
460-236101-8	WL-1 (0-10)	87	84	77	75	81	93
460-236101-9	WL-2 (0-10)	100	88	80	82	84	99
460-236147-2	WL-3 (0-10)	100	88	80	83	87	97
460-236147-4	WL-4 (0-10)	89	88	88	99	92	96
460-236227-B-4-A MS	Matrix Spike	98	82	78	83	79	96
460-236227-B-4-B MSD	Matrix Spike Duplicate	106	84	75	74	79	105
460-236236-A-2-I MS	Matrix Spike	51	75	23	73	62	82
460-236236-A-2-J MSD	Matrix Spike Duplicate	47	72	32	71	64	81
460-236240-1	WL-6 (0-10)	78	77	70	72	73	89
460-236240-3	WL-5 (0-10)	66	77	72	77	79	88
460-236396-2	CA-2 (0-2)	103	83	68	74	74	98
LCS 460-783188/2-A	Lab Control Sample	81	82	86	81	82	96

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
LCS 460-783790/2-A	Lab Control Sample	93	86	84	86	88	100
LCS 460-784053/2-A	Lab Control Sample	92	84	86	87	88	98
LCS 460-784212/2-A	Lab Control Sample	111	94	87	89	87	107
LCSD 460-783188/3-A	Lab Control Sample Dup	81	84	89	85	83	97
LCSD 460-783790/3-A	Lab Control Sample Dup	98	87	88	89	91	104
LCSD 460-784053/3-A	Lab Control Sample Dup	93	85	78	83	84	95
LCSD 460-784212/3-A	Lab Control Sample Dup	114	94	91	90	89	110
MB 460-783188/1-A	Method Blank	81	88	92	86	87	107
MB 460-783790/1-A	Method Blank	84	79	81	84	84	97
MB 460-784053/1-A	Method Blank	82	85	84	87	89	103
MB 460-784212/1-A	Method Blank	111	93	88	92	94	116

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-150)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
LCS 460-783453/2-A	Lab Control Sample	104	96	51	93	32	98
LCS 460-783920/2-A	Lab Control Sample	100	94	50	92	32	102
LCS 460-783923/2-A	Lab Control Sample	104	89	52	103	36	121
LCS 460-784045/2-A	Lab Control Sample	93	101	64	113	40	121
LCS 460-784546/2-A	Lab Control Sample	75	91	54	99	35	87
LCSD 460-783453/3-A	Lab Control Sample Dup	105	97	52	93	33	98
LCSD 460-783920/3-A	Lab Control Sample Dup	99	93	51	91	33	102
LCSD 460-783923/3-A	Lab Control Sample Dup	104	84	54	103	38	120
LCSD 460-784045/3-A	Lab Control Sample Dup	95	102	65	111	41	119
LCSD 460-784546/3-A	Lab Control Sample Dup	74	90	55	97	35	88
MB 460-783453/1-A	Method Blank	109	107	57	102	34	114
MB 460-783920/1-A	Method Blank	95	101	50	99	31	112
MB 460-783923/1-A	Method Blank	74	74	45	80	28	107
MB 460-784045/1-A	Method Blank	64	38 *	41	70	25	122
MB 460-784546/1-A	Method Blank	77	72	53	104	34	110

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-150)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
460-236042-1	WC-21 (0-5)	97	68	45	84	28	67
460-236042-4	SP-1_WC-8_9_10	96	67	42	84	26	92
460-236042-6	SP-3_WC-14	97	66	46	84	27	103
460-236042-8	WC-22 (0-5)	87	57	42	74	26	92
460-236042-10	WC-21_WC-22 (5-10)	91	55	39	72	24	111
460-236042-11	WC-21_WC-22 (10-18)	99	67	51	85	31	100
460-236042-13	WC-25 (0-5)	97	70	47	86	28	105
460-236101-1	SP-2_WC-11_12_13	101	64	45	66	29	90
460-236101-3	SP-4_WC-14_15	103	92	46	83	28	90
460-236101-6	SP-5_WC-16-17	119	94	52	85	31	96
460-236101-8	WL-1 (0-10)	106	86	48	79	28	98
460-236101-9	WL-2 (0-10)	97	88	73 *	101	51 *	102
460-236147-2	WL-3 (0-10)	91	88	49	99	30	111
460-236147-4	WL-4 (0-10)	93	89	54	98	35	106
460-236240-1	WL-6 (0-10)	43	47	47	59	34	82
460-236240-3	WL-5 (0-10)	74	57	52	88	33	110
460-236396-2	CA-2 (0-2)	66	39 *	51	80	34	104
LB 460-783316/1-B	Method Blank	96	71	50	90	29	110
LB 460-783779/1-C	Method Blank	108	93	52	85	33	114
LB 460-783982/1-B	Method Blank	36	61	3 *	85	11	114
LB 460-784374/1-B	Method Blank	76	51	56	90	37	118

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-133)	TCX2 (10-133)
460-236013-A-1-G MS	Matrix Spike	123	97	85	100
460-236013-A-1-H MSD	Matrix Spike Duplicate	110	95	85	103
460-236042-1	WC-21 (0-5)	104	105	69	93
460-236042-4	SP-1_WC-8_9_10	83	193 *	60	79
460-236042-6	SP-3_WC-14	105	87	71	74
460-236042-8	WC-22 (0-5)	72	81	67	81
460-236042-10	WC-21_WC-22 (5-10)	95	91	75	82
460-236042-11	WC-21_WC-22 (10-18)	92	70	69	72
460-236042-13	WC-25 (0-5)	90	90	47	76
460-236101-1	SP-2_WC-11_12_13	261 *	638 *	54	51
460-236101-3	SP-4_WC-14_15	87	117	56	62
460-236101-6	SP-5_WC-16-17	71	94	56	72
460-236101-8	WL-1 (0-10)	80	84	66	73
460-236101-9	WL-2 (0-10)	129	115	103	109
460-236147-2	WL-3 (0-10)	59	70	57	62

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-133)	TCX2 (10-133)
460-236147-4	WL-4 (0-10)	26	33	38	39
460-236152-H-1-F MS	Matrix Spike	94	90	78	78
460-236152-H-1-G MSD	Matrix Spike Duplicate	92	92	75	75
460-236240-1	WL-6 (0-10)	72	77	65	71
460-236240-3	WL-5 (0-10)	72	80	64	71
460-236243-B-1-D MS	Matrix Spike	79	82	76	72
460-236243-B-1-E MSD	Matrix Spike Duplicate	88	90	84	81
460-236396-2	CA-2 (0-2)	101	107	91	94
LCS 460-783169/2-A	Lab Control Sample	101	107	85	95
LCS 460-783443/2-A	Lab Control Sample	101	101	84	95
LCS 460-783671/2-A	Lab Control Sample	85	84	82	85
LCS 460-783880/2-A	Lab Control Sample	73	81	70	74
LCS 460-784165/2-A	Lab Control Sample	83	83	80	78
LCSD 460-783169/3-A	Lab Control Sample Dup	95	103	86	89
LCSD 460-783443/3-A	Lab Control Sample Dup	104	106	85	89
LCSD 460-783671/3-A	Lab Control Sample Dup	81	81	82	84
LCSD 460-783880/3-A	Lab Control Sample Dup	77	84	73	85
LCSD 460-784165/3-A	Lab Control Sample Dup	92	88	86	83
MB 460-783169/1-A	Method Blank	107	121	93	100
MB 460-783443/1-A	Method Blank	116	125	97	103
MB 460-783671/1-A	Method Blank	96	95	88	91
MB 460-783880/1-A	Method Blank	99	101	78	86
MB 460-784165/1-A	Method Blank	113	111	101	102

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
LCS 460-783244/2-A	Lab Control Sample	61	59	60	57
LCS 460-783945/2-A	Lab Control Sample	56	69	58	67
LCS 460-784097/2-A	Lab Control Sample	60	58	63	61
LCS 460-784361/2-A	Lab Control Sample	60	58	60	58
LCSD 460-783244/3-A	Lab Control Sample Dup	55	57	56	54
LCSD 460-783945/3-A	Lab Control Sample Dup	62	69	57	63
LCSD 460-784097/3-A	Lab Control Sample Dup	62	59	63	62
LCSD 460-784361/3-A	Lab Control Sample Dup	59	57	60	56
MB 460-783244/1-A	Method Blank	63	61	61	59
MB 460-783945/1-A	Method Blank	65	73	61	69
MB 460-784097/1-A	Method Blank	67	65	67	67
MB 460-784361/1-A	Method Blank	66	66	65	64

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
460-236042-1	WC-21 (0-5)	44	35	36	32
460-236042-4	SP-1_WC-8_9_10	40	49	28	33
460-236042-6	SP-3_WC-14	64	56	34	33
460-236042-8	WC-22 (0-5)	54	47	32	35
460-236042-10	WC-21_WC-22 (5-10)	55	50	30	31
460-236042-11	WC-21_WC-22 (10-18)	56	52	30	30
460-236042-13	WC-25 (0-5)	47	49	23	26
460-236101-1	SP-2_WC-11_12_13	65	68	66	72
460-236101-3	SP-4_WC-14_15	63	69	63	69
460-236101-6	SP-5_WC-16-17	53	62	63	68
460-236101-8	WL-1 (0-10)	55	61	60	68
460-236101-9	WL-2 (0-10)	58	67	64	64
460-236147-2	WL-3 (0-10)	53	67	46	68
460-236147-4	WL-4 (0-10)	61	63	59	65
460-236240-1	WL-6 (0-10)	46	42	63	60
460-236240-3	WL-5 (0-10)	45	42	61	59
460-236396-2	CA-2 (0-2)	43	43	33	35
LB 460-783316/1-C	Method Blank	30	26	43	45
LB 460-783779/1-E	Method Blank	76	81	68	73
LB 460-783982/1-E	Method Blank	58	53	71	70
LB 460-784374/1-D	Method Blank	55	55	31	30

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
460-236013-A-1-D MS	Matrix Spike	99	93	96	98
460-236013-A-1-E MSD	Matrix Spike Duplicate	99	99	101	101
460-236042-1	WC-21 (0-5)	0 *	0 *	0 *	0 *
460-236042-4	SP-1_WC-8_9_10	114	107	99	105
460-236042-6	SP-3_WC-14	95	98	98	100
460-236042-8	WC-22 (0-5)	102	92	86	89
460-236042-10	WC-21_WC-22 (5-10)	123	124	121	123
460-236042-11	WC-21_WC-22 (10-18)	91	89	105	109
460-236042-13	WC-25 (0-5)	92	90	72	81
460-236101-1	SP-2_WC-11_12_13	164 *	184 *	90	109
460-236101-3	SP-4_WC-14_15	104	138	74	77
460-236101-6	SP-5_WC-16-17	111	120	93	89
460-236101-8	WL-1 (0-10)	165 *	241 *	112	132
460-236101-9	WL-2 (0-10)	193 *	248 *	134	149
460-236147-2	WL-3 (0-10)	110	111	91	82
460-236147-4	WL-4 (0-10)	59	59	58	53 *
460-236152-H-1-C MS	Matrix Spike	97	88	94	84
460-236152-H-1-D MSD	Matrix Spike Duplicate	77	74	83	74
460-236240-1	WL-6 (0-10)	100	87	93	93

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
460-236240-3	WL-5 (0-10)	104	95	104	105
460-236240-3 MS	WL-5 (0-10)	76	65	72	72
460-236240-3 MSD	WL-5 (0-10)	115	99	110	108
460-236243-B-1-A MS	Matrix Spike	110	105	105	108
460-236243-B-1-B MSD	Matrix Spike Duplicate	112	108	110	114
460-236396-2	CA-2 (0-2)	108	104	94	98
LCS 460-783167/2-A	Lab Control Sample	93	98	98	99
LCS 460-783670/2-A	Lab Control Sample	84	79	84	75
LCS 460-783879/2-A	Lab Control Sample	94	81	88	86
LCS 460-784161/2-A	Lab Control Sample	106	97	100	102
LCSD 460-783167/3-A	Lab Control Sample Dup	93	98	98	99
LCSD 460-783670/3-A	Lab Control Sample Dup	90	84	88	78
LCSD 460-783879/3-A	Lab Control Sample Dup	97	83	91	89
LCSD 460-784161/3-A	Lab Control Sample Dup	97	90	91	93
MB 460-783167/1-A	Method Blank	111	98	106	100
MB 460-783670/1-A	Method Blank	125	120	96	98
MB 460-783879/1-A	Method Blank	91	71	78	75
MB 460-784161/1-A	Method Blank	117	107	111	110

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (65-150)	DCPAA2 (65-150)
460-236042-1	WC-21 (0-5)	69	111
460-236042-4	SP-1_WC-8_9_10	291 *	69
460-236042-6	SP-3_WC-14	70	77
460-236042-8	WC-22 (0-5)	103	83
460-236042-10	WC-21_WC-22 (5-10)	73	76
460-236042-11	WC-21_WC-22 (10-18)	71	75
460-236042-13	WC-25 (0-5)	74	79
460-236101-1	SP-2_WC-11_12_13	75	90
460-236101-1 MS	SP-2_WC-11_12_13	82	98
460-236101-1 MSD	SP-2_WC-11_12_13	79	94
460-236101-3	SP-4_WC-14_15	101	89
460-236101-6	SP-5_WC-16-17	73	83
460-236101-8	WL-1 (0-10)	65	117
460-236101-9	WL-2 (0-10)	63 *	68
460-236141-A-13-F MS	Matrix Spike	134	126
460-236141-A-13-G MSD	Matrix Spike Duplicate	135	119
460-236147-2	WL-3 (0-10)	74	80
460-236147-2 MS	WL-3 (0-10)	76	84
460-236147-2 MSD	WL-3 (0-10)	72	81
460-236147-4	WL-4 (0-10)	74	82
460-236240-1	WL-6 (0-10)	82	80
460-236240-1 MS	WL-6 (0-10)	91	96

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (65-150)	DCPAA2 (65-150)
460-236240-1 MSD	WL-6 (0-10)	64 *	65
460-236240-3	WL-5 (0-10)	80	83
460-236396-2	CA-2 (0-2)	89	108
LCS 460-783338/2-A	Lab Control Sample	117	110
LCS 460-783582/2-A	Lab Control Sample	91	91
LCS 460-783793/2-A	Lab Control Sample	94	93
LCS 460-783992/2-A	Lab Control Sample	132	128
LCS 460-784215/2-A	Lab Control Sample	95	95
LCSD 460-783338/3-A	Lab Control Sample Dup	118	108
LCSD 460-783793/3-A	Lab Control Sample Dup	95	94
LCSD 460-783992/3-A	Lab Control Sample Dup	138	132
LCSD 460-784215/3-A	Lab Control Sample Dup	95	96
MB 460-783338/1-A	Method Blank	108	106
MB 460-783582/1-A	Method Blank	81	80
MB 460-783793/1-A	Method Blank	80	81
MB 460-783992/1-A	Method Blank	124	119
MB 460-784215/1-A	Method Blank	79	81

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
LCS 460-783581/2-A	Lab Control Sample	116	108
LCS 460-783991/2-A	Lab Control Sample	78	84
LCS 460-784099/2-A	Lab Control Sample	132	120
LCS 460-784592/2-A	Lab Control Sample	117	106
LCSD 460-783581/3-A	Lab Control Sample Dup	114	106
LCSD 460-783991/3-A	Lab Control Sample Dup	79	84
LCSD 460-784099/3-A	Lab Control Sample Dup	131	120
LCSD 460-784592/3-A	Lab Control Sample Dup	114	101
MB 460-783581/1-A	Method Blank	104	102
MB 460-783991/1-A	Method Blank	76	80
MB 460-784099/1-A	Method Blank	119	114
MB 460-784592/1-A	Method Blank	115	108

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
460-236042-1	WC-21 (0-5)	66	60
460-236042-4	SP-1_WC-8_9_10	66	60
460-236042-6	SP-3_WC-14	69	62

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (28-150)	DCPAA2 (28-150)
460-236042-8	WC-22 (0-5)	69	64
460-236042-10	WC-21_WC-22 (5-10)	63	57
460-236042-11	WC-21_WC-22 (10-18)	65	59
460-236042-13	WC-25 (0-5)	69	63
460-236101-1	SP-2_WC-11_12_13	44	54
460-236101-3	SP-4_WC-14_15	57	63
460-236101-6	SP-5_WC-16-17	45	50
460-236101-8	WL-1 (0-10)	51	57
460-236101-9	WL-2 (0-10)	56	64
460-236147-2	WL-3 (0-10)	48	53
460-236147-4	WL-4 (0-10)	58	67
460-236240-1	WL-6 (0-10)	96	90
460-236240-3	WL-5 (0-10)	96	91
460-236396-2	CA-2 (0-2)	89	81
LB 460-783316/1-F	Method Blank	92	83
LB 460-783982/1-F	Method Blank	90	84
LB 460-784374/1-F	Method Blank	88	87

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH1 (40-140)	1COD1 (40-140)
460-236042-1	WC-21 (0-5)	87	71
460-236042-4	SP-1_WC-8_9_10	120	136
460-236042-6	SP-3_WC-14	130	138
460-236042-8	WC-22 (0-5)	108	124
460-236042-10	WC-21_WC-22 (5-10)	130	136
460-236042-11	WC-21_WC-22 (10-18)	109	110
460-236042-13	WC-25 (0-5)	97	113
460-236101-1	SP-2_WC-11_12_13	144 *	78
460-236101-3	SP-4_WC-14_15	99	140
460-236101-6	SP-5_WC-16-17	87	118
460-236101-8	WL-1 (0-10)	0 *	0 *
460-236101-9	WL-2 (0-10)	95	94
460-236147-2	WL-3 (0-10)	47	108
460-236147-4	WL-4 (0-10)	88	93
460-236240-1	WL-6 (0-10)	93	99
460-236240-3	WL-5 (0-10)	126	131
LCS 460-783190/2-A	Lab Control Sample	81	117
LCS 460-783455/2-A	Lab Control Sample	86	149 *
LCS 460-783684/2-A	Lab Control Sample	88	124
LCS 460-784064/2-A	Lab Control Sample	101	105
LCSD 460-783190/3-A	Lab Control Sample Dup	92	112
LCSD 460-783455/3-A	Lab Control Sample Dup	76	129
LCSD 460-783684/3-A	Lab Control Sample Dup	87	122
LCSD 460-784064/3-A	Lab Control Sample Dup	92	99

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	1COD1 (40-140)								
MB 460-783190/1-A	Method Blank	97	105								
MB 460-783455/1-A	Method Blank	99	106								
MB 460-783684/1-A	Method Blank	113	100								
MB 460-784064/1-A	Method Blank	105	103								

Surrogate Legend

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-783079/1-A
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783079

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/08/21 21:06	06/09/21 14:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-783079/1-A
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783079

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/08/21 21:06	06/09/21 14:23	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/08/21 21:06	06/09/21 14:23	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/08/21 21:06*	*06/09/21 14:23*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*	*06/08/21 21:06*	*06/09/21 14:23*	*1*
4-Bromofluorobenzene	*112*		*70 - 139*	*06/08/21 21:06*	*06/09/21 14:23*	*1*
Dibromofluoromethane (Surr)	*99*		*48 - 150*	*06/08/21 21:06*	*06/09/21 14:23*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*06/08/21 21:06*	*06/09/21 14:23*	*1*

Lab Sample ID: MB 460-783126/8
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 10:11	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/09/21 10:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/09/21 10:11	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 10:11	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/09/21 10:11	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 10:11	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 10:11	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 10:11	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/09/21 10:11	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 10:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/09/21 10:11	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/09/21 10:11	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/09/21 10:11	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 10:11	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/09/21 10:11	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/09/21 10:11	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/09/21 10:11	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/09/21 10:11	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/09/21 10:11	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/09/21 10:11	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/09/21 10:11	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 10:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/09/21 10:11	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 10:11	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/09/21 10:11	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/09/21 10:11	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/09/21 10:11	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/09/21 10:11	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/09/21 10:11	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 10:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783126/8
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 10:11	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/09/21 10:11	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/09/21 10:11	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/09/21 10:11	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/09/21 10:11	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 10:11	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/09/21 10:11	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/09/21 10:11	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/09/21 10:11	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/09/21 10:11	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/09/21 10:11	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/09/21 10:11	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/09/21 10:11	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/09/21 10:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/09/21 10:11	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 10:11	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/09/21 10:11	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 10:11	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/09/21 10:11	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/09/21 10:11	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/09/21 10:11	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/09/21 10:11*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 145*		*06/09/21 10:11*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*		*06/09/21 10:11*	*1*
Dibromofluoromethane (Surr)	*92*		*48 - 150*		*06/09/21 10:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/09/21 10:11*	*1*

Lab Sample ID: LCS 460-783126/4
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0190		mg/Kg		95	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0193		mg/Kg		97	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0206		mg/Kg		103	78 - 136
1,1,2-Trichloroethane	0.0200	0.0186		mg/Kg		93	75 - 120
1,1-Dichloroethane	0.0200	0.0201		mg/Kg		100	76 - 129
1,1-Dichloroethene	0.0200	0.0197		mg/Kg		99	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0208		mg/Kg		104	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0174		mg/Kg		87	60 - 126
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0175		mg/Kg		88	70 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783126/4
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.0200	0.0194		mg/Kg		97	73 - 124
1,3-Dichlorobenzene	0.0200	0.0212		mg/Kg		106	80 - 120
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
2-Butanone (MEK)	0.100	0.0789		mg/Kg		79	75 - 120
2-Hexanone	0.100	0.0953		mg/Kg		95	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0945		mg/Kg		95	80 - 122
Acetone	0.100	0.0759		mg/Kg		76	63 - 131
Benzene	0.0200	0.0217		mg/Kg		108	80 - 123
Bromoform	0.0200	0.0166		mg/Kg		83	48 - 142
Bromomethane	0.0200	0.0180		mg/Kg		90	46 - 150
Carbon disulfide	0.0200	0.0211		mg/Kg		106	67 - 136
Carbon tetrachloride	0.0200	0.0177		mg/Kg		89	72 - 136
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0167		mg/Kg		83	76 - 127
Chlorodibromomethane	0.0200	0.0176		mg/Kg		88	62 - 128
Chloroethane	0.0200	0.0204		mg/Kg		102	49 - 150
Chloroform	0.0200	0.0182		mg/Kg		91	79 - 126
Chloromethane	0.0200	0.0217		mg/Kg		108	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0180		mg/Kg		90	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0212		mg/Kg		106	72 - 120
Cyclohexane	0.0200	0.0205		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0167		mg/Kg		84	73 - 124
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		92	40 - 146
Ethylbenzene	0.0200	0.0210		mg/Kg		105	80 - 120
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	79 - 120
Isopropylbenzene	0.0200	0.0213		mg/Kg		107	80 - 120
Methyl acetate	0.0400	0.0415		mg/Kg		104	58 - 143
Methyl tert-butyl ether	0.0200	0.0178		mg/Kg		89	80 - 125
Methylcyclohexane	0.0200	0.0213		mg/Kg		107	79 - 133
Methylene Chloride	0.0200	0.0178		mg/Kg		89	76 - 127
m-Xylene & p-Xylene	0.0200	0.0216		mg/Kg		108	80 - 120
o-Xylene	0.0200	0.0206		mg/Kg		103	80 - 120
Styrene	0.0200	0.0199		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	78 - 123
Toluene	0.0200	0.0216		mg/Kg		108	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		98	68 - 120
Trichloroethene	0.0200	0.0195		mg/Kg		98	79 - 120
Trichlorofluoromethane	0.0200	0.0190		mg/Kg		95	67 - 142
Vinyl chloride	0.0200	0.0206		mg/Kg		103	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*86*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783126/5
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0180		mg/Kg		90	78 - 132	5	30
1,1,2,2-Tetrachloroethane	0.0200	0.0192		mg/Kg		96	69 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0181		mg/Kg		90	78 - 136	13	30
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	75 - 120	3	30
1,1-Dichloroethane	0.0200	0.0191		mg/Kg		96	76 - 129	5	30
1,1-Dichloroethene	0.0200	0.0171		mg/Kg		86	77 - 132	14	30
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	65 - 144	1	30
1,2,4-Trichlorobenzene	0.0200	0.0202		mg/Kg		101	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0173		mg/Kg		87	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	0	30
1,2-Dichloroethane	0.0200	0.0174		mg/Kg		87	70 - 132	1	30
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124	2	30
1,3-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	4	30
2-Butanone (MEK)	0.100	0.0797		mg/Kg		80	75 - 120	1	30
2-Hexanone	0.100	0.0899		mg/Kg		90	78 - 120	6	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0946		mg/Kg		95	80 - 122	0	30
Acetone	0.100	0.0700		mg/Kg		70	63 - 131	8	30
Benzene	0.0200	0.0205		mg/Kg		103	80 - 123	5	30
Bromoform	0.0200	0.0167		mg/Kg		83	48 - 142	1	30
Bromomethane	0.0200	0.0167		mg/Kg		83	46 - 150	8	30
Carbon disulfide	0.0200	0.0182		mg/Kg		91	67 - 136	15	30
Carbon tetrachloride	0.0200	0.0174		mg/Kg		87	72 - 136	2	30
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	6	30
Chlorobromomethane	0.0200	0.0176		mg/Kg		88	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0175		mg/Kg		88	62 - 128	0	30
Chloroethane	0.0200	0.0171		mg/Kg		86	49 - 150	17	30
Chloroform	0.0200	0.0181		mg/Kg		90	79 - 126	1	30
Chloromethane	0.0200	0.0198		mg/Kg		99	48 - 150	9	30
cis-1,2-Dichloroethene	0.0200	0.0177		mg/Kg		88	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0196		mg/Kg		98	72 - 120	8	30
Cyclohexane	0.0200	0.0194		mg/Kg		97	80 - 132	5	30
Dichlorobromomethane	0.0200	0.0172		mg/Kg		86	73 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0176		mg/Kg		88	40 - 146	4	30
Ethylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	5	30
Ethylene Dibromide	0.0200	0.0174		mg/Kg		87	79 - 120	5	30
Isopropylbenzene	0.0200	0.0200		mg/Kg		100	80 - 120	7	30
Methyl acetate	0.0400	0.0444		mg/Kg		111	58 - 143	7	30
Methyl tert-butyl ether	0.0200	0.0184		mg/Kg		92	80 - 125	3	30
Methylcyclohexane	0.0200	0.0204		mg/Kg		102	79 - 133	4	30
Methylene Chloride	0.0200	0.0178		mg/Kg		89	76 - 127	0	30
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		100	80 - 120	7	30
o-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120	4	30
Styrene	0.0200	0.0191		mg/Kg		95	80 - 120	4	30
Tetrachloroethene	0.0200	0.0189		mg/Kg		94	78 - 123	11	30
Toluene	0.0200	0.0202		mg/Kg		101	80 - 120	6	30
trans-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	78 - 128	1	30
trans-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		94	68 - 120	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783126/5
Matrix: Solid
Analysis Batch: 783126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0181		mg/Kg		90	79 - 120	8	30
Trichlorofluoromethane			0.0200	0.0175		mg/Kg		87	67 - 142	8	30
Vinyl chloride			0.0200	0.0193		mg/Kg		96	56 - 147	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 145*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*89*		*48 - 150*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-783273/8
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 21:29	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/09/21 21:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/09/21 21:29	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 21:29	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/09/21 21:29	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 21:29	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 21:29	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 21:29	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/09/21 21:29	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 21:29	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/09/21 21:29	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/09/21 21:29	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/09/21 21:29	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 21:29	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/09/21 21:29	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/09/21 21:29	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/09/21 21:29	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/09/21 21:29	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/09/21 21:29	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/09/21 21:29	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/09/21 21:29	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 21:29	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/09/21 21:29	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 21:29	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/09/21 21:29	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/09/21 21:29	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/09/21 21:29	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/09/21 21:29	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/09/21 21:29	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/09/21 21:29	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 21:29	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/09/21 21:29	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/09/21 21:29	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783273/8
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/09/21 21:29	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/09/21 21:29	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/09/21 21:29	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/09/21 21:29	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/09/21 21:29	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/09/21 21:29	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/09/21 21:29	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/09/21 21:29	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/09/21 21:29	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/09/21 21:29	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/09/21 21:29	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/09/21 21:29	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/09/21 21:29	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/09/21 21:29	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/09/21 21:29	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/09/21 21:29	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/09/21 21:29	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/09/21 21:29	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/09/21 21:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*		*06/09/21 21:29*	*1*
4-Bromofluorobenzene	*106*		*70 - 139*		*06/09/21 21:29*	*1*
Dibromofluoromethane (Surr)	*97*		*48 - 150*		*06/09/21 21:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/09/21 21:29*	*1*

Lab Sample ID: LCS 460-783273/4
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0170		mg/Kg		85	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0200		mg/Kg		100	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0168		mg/Kg		84	78 - 136
1,1,2-Trichloroethane	0.0200	0.0191		mg/Kg		96	75 - 120
1,1-Dichloroethane	0.0200	0.0179		mg/Kg		89	76 - 129
1,1-Dichloroethene	0.0200	0.0164		mg/Kg		82	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0181		mg/Kg		90	60 - 126
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
1,2-Dichloroethane	0.0200	0.0171		mg/Kg		85	70 - 132
1,2-Dichloropropane	0.0200	0.0179		mg/Kg		89	73 - 124
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783273/4
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	0.100	0.0807		mg/Kg		81	75 - 120
2-Hexanone	0.100	0.0887		mg/Kg		89	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0865		mg/Kg		86	80 - 122
Acetone	0.100	0.0677		mg/Kg		68	63 - 131
Benzene	0.0200	0.0196		mg/Kg		98	80 - 123
Bromoform	0.0200	0.0180		mg/Kg		90	48 - 142
Bromomethane	0.0200	0.0147		mg/Kg		73	46 - 150
Carbon disulfide	0.0200	0.0175		mg/Kg		87	67 - 136
Carbon tetrachloride	0.0200	0.0161		mg/Kg		81	72 - 136
Chlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0178		mg/Kg		89	76 - 127
Chlorodibromomethane	0.0200	0.0180		mg/Kg		90	62 - 128
Chloroethane	0.0200	0.0138		mg/Kg		69	49 - 150
Chloroform	0.0200	0.0171		mg/Kg		85	79 - 126
Chloromethane	0.0200	0.0165		mg/Kg		83	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0169		mg/Kg		85	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	72 - 120
Cyclohexane	0.0200	0.0179		mg/Kg		89	80 - 132
Dichlorobromomethane	0.0200	0.0166		mg/Kg		83	73 - 124
Dichlorodifluoromethane	0.0200	0.0146		mg/Kg		73	40 - 146
Ethylbenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Ethylene Dibromide	0.0200	0.0181		mg/Kg		91	79 - 120
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Methyl acetate	0.0400	0.0428		mg/Kg		107	58 - 143
Methyl tert-butyl ether	0.0200	0.0180		mg/Kg		90	80 - 125
Methylcyclohexane	0.0200	0.0181		mg/Kg		90	79 - 133
Methylene Chloride	0.0200	0.0175		mg/Kg		87	76 - 127
m-Xylene & p-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
Styrene	0.0200	0.0193		mg/Kg		97	80 - 120
Tetrachloroethene	0.0200	0.0181		mg/Kg		91	78 - 123
Toluene	0.0200	0.0193		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0172		mg/Kg		86	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	68 - 120
Trichloroethene	0.0200	0.0174		mg/Kg		87	79 - 120
Trichlorofluoromethane	0.0200	0.0144		mg/Kg		72	67 - 142
Vinyl chloride	0.0200	0.0151		mg/Kg		76	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 145*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*88*		*48 - 150*
Toluene-d8 (Surr)	*97*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783273/5
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0175		mg/Kg		87	78 - 132	3	30
1,1,2,2-Tetrachloroethane			0.0200	0.0200		mg/Kg		100	69 - 123	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0171		mg/Kg		86	78 - 136	2	30
1,1,2-Trichloroethane			0.0200	0.0194		mg/Kg		97	75 - 120	1	30
1,1-Dichloroethane			0.0200	0.0192		mg/Kg		96	76 - 129	7	30
1,1-Dichloroethene			0.0200	0.0171		mg/Kg		86	77 - 132	5	30
1,2,3-Trichlorobenzene			0.0200	0.0182		mg/Kg		91	65 - 144	2	30
1,2,4-Trichlorobenzene			0.0200	0.0195		mg/Kg		98	75 - 120	1	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0190		mg/Kg		95	60 - 126	5	30
1,2-Dichlorobenzene			0.0200	0.0192		mg/Kg		96	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0173		mg/Kg		86	70 - 132	1	30
1,2-Dichloropropane			0.0200	0.0194		mg/Kg		97	73 - 124	8	30
1,3-Dichlorobenzene			0.0200	0.0203		mg/Kg		101	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
2-Butanone (MEK)			0.100	0.0881		mg/Kg		88	75 - 120	9	30
2-Hexanone			0.100	0.0946		mg/Kg		95	78 - 120	7	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0924		mg/Kg		92	80 - 122	7	30
Acetone			0.100	0.0911		mg/Kg		91	63 - 131	29	30
Benzene			0.0200	0.0205		mg/Kg		102	80 - 123	4	30
Bromoform			0.0200	0.0168		mg/Kg		84	48 - 142	7	30
Bromomethane			0.0200	0.0162		mg/Kg		81	46 - 150	10	30
Carbon disulfide			0.0200	0.0184		mg/Kg		92	67 - 136	5	30
Carbon tetrachloride			0.0200	0.0168		mg/Kg		84	72 - 136	4	30
Chlorobenzene			0.0200	0.0191		mg/Kg		95	80 - 120	2	30
Chlorobromomethane			0.0200	0.0171		mg/Kg		85	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0183		mg/Kg		91	62 - 128	1	30
Chloroethane			0.0200	0.0163		mg/Kg		81	49 - 150	17	30
Chloroform			0.0200	0.0180		mg/Kg		90	79 - 126	5	30
Chloromethane			0.0200	0.0173		mg/Kg		87	48 - 150	5	30
cis-1,2-Dichloroethene			0.0200	0.0175		mg/Kg		87	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	72 - 120	2	30
Cyclohexane			0.0200	0.0180		mg/Kg		90	80 - 132	1	30
Dichlorobromomethane			0.0200	0.0172		mg/Kg		86	73 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0162		mg/Kg		81	40 - 146	11	30
Ethylbenzene			0.0200	0.0192		mg/Kg		96	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0190		mg/Kg		95	79 - 120	5	30
Isopropylbenzene			0.0200	0.0194		mg/Kg		97	80 - 120	2	30
Methyl acetate			0.0400	0.0409		mg/Kg		102	58 - 143	4	30
Methyl tert-butyl ether			0.0200	0.0188		mg/Kg		94	80 - 125	4	30
Methylcyclohexane			0.0200	0.0172		mg/Kg		86	79 - 133	5	30
Methylene Chloride			0.0200	0.0179		mg/Kg		89	76 - 127	2	30
m-Xylene & p-Xylene			0.0200	0.0197		mg/Kg		99	80 - 120	0	30
o-Xylene			0.0200	0.0195		mg/Kg		97	80 - 120	5	30
Styrene			0.0200	0.0189		mg/Kg		95	80 - 120	2	30
Tetrachloroethene			0.0200	0.0193		mg/Kg		97	78 - 123	6	30
Toluene			0.0200	0.0203		mg/Kg		101	80 - 120	5	30
trans-1,2-Dichloroethene			0.0200	0.0180		mg/Kg		90	78 - 128	4	30
trans-1,3-Dichloropropene			0.0200	0.0200		mg/Kg		100	68 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783273/5
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0180		mg/Kg		90	79 - 120	3	30
Trichlorofluoromethane			0.0200	0.0162		mg/Kg		81	67 - 142	12	30
Vinyl chloride			0.0200	0.0171		mg/Kg		85	56 - 147	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
4-Bromofluorobenzene	*118*		*70 - 139*
Dibromofluoromethane (Surr)	*101*		*48 - 150*
Toluene-d8 (Surr)	*113*		*80 - 120*

Lab Sample ID: LB3 460-783323/1-A
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783323

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/09/21 19:25	06/09/21 22:15	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-783323/1-A
Matrix: Solid
Analysis Batch: 783273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783323

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/09/21 19:25	06/09/21 22:15	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/09/21 19:25	06/09/21 22:15	1

Tentatively Identified Compound	*Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/09/21 19:25*	*06/09/21 22:15*	*1*

Surrogate	*%Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 145*	*06/09/21 19:25*	*06/09/21 22:15*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*	*06/09/21 19:25*	*06/09/21 22:15*	*1*
Dibromofluoromethane (Surr)	*96*		*48 - 150*	*06/09/21 19:25*	*06/09/21 22:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*06/09/21 19:25*	*06/09/21 22:15*	*1*

Lab Sample ID: MB 460-783364/7
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 09:17	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/10/21 09:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/10/21 09:17	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 09:17	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/10/21 09:17	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 09:17	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 09:17	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 09:17	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/10/21 09:17	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 09:17	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/10/21 09:17	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/10/21 09:17	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/10/21 09:17	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 09:17	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/10/21 09:17	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783364/7
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/10/21 09:17	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/10/21 09:17	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/10/21 09:17	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/10/21 09:17	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/10/21 09:17	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/10/21 09:17	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 09:17	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/10/21 09:17	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 09:17	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/10/21 09:17	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/10/21 09:17	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/10/21 09:17	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/10/21 09:17	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/10/21 09:17	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 09:17	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 09:17	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/10/21 09:17	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/10/21 09:17	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/10/21 09:17	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/10/21 09:17	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 09:17	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/10/21 09:17	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/10/21 09:17	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/10/21 09:17	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/10/21 09:17	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/10/21 09:17	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/10/21 09:17	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/10/21 09:17	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/10/21 09:17	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/10/21 09:17	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 09:17	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/10/21 09:17	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 09:17	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/10/21 09:17	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/10/21 09:17	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/10/21 09:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/10/21 09:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*77 - 145*		*06/10/21 09:17*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*		*06/10/21 09:17*	*1*
Dibromofluoromethane (Surr)	*85*		*48 - 150*		*06/10/21 09:17*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/10/21 09:17*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783364/3
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0180		mg/Kg		90	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0197		mg/Kg		98	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	78 - 136
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	75 - 120
1,1-Dichloroethane	0.0200	0.0200		mg/Kg		100	76 - 129
1,1-Dichloroethene	0.0200	0.0183		mg/Kg		92	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0198		mg/Kg		99	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0198		mg/Kg		99	60 - 126
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0169		mg/Kg		84	70 - 132
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		97	73 - 124
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.0705	*	mg/Kg		70	75 - 120
2-Hexanone	0.100	0.0835		mg/Kg		83	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0827		mg/Kg		83	80 - 122
Acetone	0.100	0.0675		mg/Kg		68	63 - 131
Benzene	0.0200	0.0208		mg/Kg		104	80 - 123
Bromoform	0.0200	0.0157		mg/Kg		79	48 - 142
Bromomethane	0.0200	0.0178		mg/Kg		89	46 - 150
Carbon disulfide	0.0200	0.0199		mg/Kg		99	67 - 136
Carbon tetrachloride	0.0200	0.0172		mg/Kg		86	72 - 136
Chlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0166		mg/Kg		83	76 - 127
Chlorodibromomethane	0.0200	0.0167		mg/Kg		84	62 - 128
Chloroethane	0.0200	0.0185		mg/Kg		92	49 - 150
Chloroform	0.0200	0.0173		mg/Kg		86	79 - 126
Chloromethane	0.0200	0.0205		mg/Kg		103	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0181		mg/Kg		91	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	72 - 120
Cyclohexane	0.0200	0.0199		mg/Kg		100	80 - 132
Dichlorobromomethane	0.0200	0.0162		mg/Kg		81	73 - 124
Dichlorodifluoromethane	0.0200	0.0181		mg/Kg		90	40 - 146
Ethylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Ethylene Dibromide	0.0200	0.0180		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Methyl acetate	0.0400	0.0453		mg/Kg		113	58 - 143
Methyl tert-butyl ether	0.0200	0.0178		mg/Kg		89	80 - 125
Methylcyclohexane	0.0200	0.0203		mg/Kg		102	79 - 133
Methylene Chloride	0.0200	0.0177		mg/Kg		88	76 - 127
m-Xylene & p-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
o-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120
Styrene	0.0200	0.0182		mg/Kg		91	80 - 120
Tetrachloroethene	0.0200	0.0198		mg/Kg		99	78 - 123
Toluene	0.0200	0.0208		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0186		mg/Kg		93	68 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783364/3
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0182		mg/Kg		91	79 - 120
Trichlorofluoromethane	0.0200	0.0182		mg/Kg		91	67 - 142
Vinyl chloride	0.0200	0.0206		mg/Kg		103	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 145*
4-Bromofluorobenzene	*110*		*70 - 139*
Dibromofluoromethane (Surr)	*95*		*48 - 150*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 460-783364/4
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0195		mg/Kg		98	78 - 132	8	30
1,1,2,2-Tetrachloroethane	0.0200	0.0208		mg/Kg		104	69 - 123	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		102	78 - 136	8	30
1,1,2-Trichloroethane	0.0200	0.0189		mg/Kg		95	75 - 120	5	30
1,1-Dichloroethane	0.0200	0.0202		mg/Kg		101	76 - 129	1	30
1,1-Dichloroethene	0.0200	0.0200		mg/Kg		100	77 - 132	9	30
1,2,3-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	65 - 144	5	30
1,2,4-Trichlorobenzene	0.0200	0.0202		mg/Kg		101	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0235		mg/Kg		118	60 - 126	17	30
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0169		mg/Kg		84	70 - 132	0	30
1,2-Dichloropropane	0.0200	0.0197		mg/Kg		98	73 - 124	2	30
1,3-Dichlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0700	*	mg/Kg		70	75 - 120	1	30
2-Hexanone	0.100	0.0842		mg/Kg		84	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0830		mg/Kg		83	80 - 122	0	30
Acetone	0.100	0.0773		mg/Kg		77	63 - 131	14	30
Benzene	0.0200	0.0220		mg/Kg		110	80 - 123	5	30
Bromoform	0.0200	0.0155		mg/Kg		78	48 - 142	1	30
Bromomethane	0.0200	0.0193		mg/Kg		96	46 - 150	8	30
Carbon disulfide	0.0200	0.0228		mg/Kg		114	67 - 136	14	30
Carbon tetrachloride	0.0200	0.0183		mg/Kg		91	72 - 136	6	30
Chlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120	4	30
Chlorobromomethane	0.0200	0.0170		mg/Kg		85	76 - 127	3	30
Chlorodibromomethane	0.0200	0.0168		mg/Kg		84	62 - 128	0	30
Chloroethane	0.0200	0.0207		mg/Kg		104	49 - 150	12	30
Chloroform	0.0200	0.0182		mg/Kg		91	79 - 126	5	30
Chloromethane	0.0200	0.0231		mg/Kg		115	48 - 150	12	30
cis-1,2-Dichloroethene	0.0200	0.0182		mg/Kg		91	80 - 123	0	30
cis-1,3-Dichloropropene	0.0200	0.0202		mg/Kg		101	72 - 120	4	30
Cyclohexane	0.0200	0.0216		mg/Kg		108	80 - 132	8	30
Dichlorobromomethane	0.0200	0.0164		mg/Kg		82	73 - 124	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783364/4
Matrix: Solid
Analysis Batch: 783364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			0.0200	0.0195		mg/Kg		97	40 - 146	7	30
Ethylbenzene			0.0200	0.0208		mg/Kg		104	80 - 120	6	30
Ethylene Dibromide			0.0200	0.0185		mg/Kg		93	79 - 120	3	30
Isopropylbenzene			0.0200	0.0217		mg/Kg		109	80 - 120	10	30
Methyl acetate			0.0400	0.0558		mg/Kg		139	58 - 143	21	30
Methyl tert-butyl ether			0.0200	0.0182		mg/Kg		91	80 - 125	2	30
Methylcyclohexane			0.0200	0.0227		mg/Kg		114	79 - 133	11	30
Methylene Chloride			0.0200	0.0177		mg/Kg		89	76 - 127	0	30
m-Xylene & p-Xylene			0.0200	0.0209		mg/Kg		104	80 - 120	7	30
o-Xylene			0.0200	0.0194		mg/Kg		97	80 - 120	1	30
Styrene			0.0200	0.0191		mg/Kg		95	80 - 120	5	30
Tetrachloroethene			0.0200	0.0212		mg/Kg		106	78 - 123	7	30
Toluene			0.0200	0.0218		mg/Kg		109	80 - 120	5	30
trans-1,2-Dichloroethene			0.0200	0.0197		mg/Kg		99	78 - 128	8	30
trans-1,3-Dichloropropene			0.0200	0.0190		mg/Kg		95	68 - 120	2	30
Trichloroethene			0.0200	0.0199		mg/Kg		100	79 - 120	9	30
Trichlorofluoromethane			0.0200	0.0196		mg/Kg		98	67 - 142	8	30
Vinyl chloride			0.0200	0.0222		mg/Kg		111	56 - 147	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*86*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 460-783376/9
Matrix: Solid
Analysis Batch: 783376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/10/21 09:26	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/10/21 09:26	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/10/21 09:26	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/10/21 09:26	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/10/21 09:26	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/10/21 09:26	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/10/21 09:26	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/10/21 09:26	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/10/21 09:26	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/10/21 09:26	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/10/21 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/10/21 09:26*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*06/10/21 09:26*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*06/10/21 09:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/21 09:26*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783376/4
Matrix: Solid
Analysis Batch: 783376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0195		mg/L		98	68 - 133		
1,2-Dichloroethane			0.0200	0.0188		mg/L		94	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0189		mg/L		95	80 - 118		
2-Butanone (MEK)			0.100	0.0884		mg/L		88	69 - 128		
Benzene			0.0200	0.0198		mg/L		99	78 - 126		
Carbon tetrachloride			0.0200	0.0197		mg/L		99	56 - 131		
Chlorobenzene			0.0200	0.0196		mg/L		98	80 - 119		
Chloroform			0.0200	0.0198		mg/L		99	78 - 125		
Tetrachloroethene			0.0200	0.0186		mg/L		93	70 - 127		
Trichloroethene			0.0200	0.0188		mg/L		94	71 - 121		
Vinyl chloride			0.0200	0.0222		mg/L		111	61 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-783376/5
Matrix: Solid
Analysis Batch: 783376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0191		mg/L		95	68 - 133	2	30
1,2-Dichloroethane			0.0200	0.0191		mg/L		95	75 - 121	1	30
1,4-Dichlorobenzene			0.0200	0.0195		mg/L		97	80 - 118	3	30
2-Butanone (MEK)			0.100	0.0907		mg/L		91	69 - 128	3	30
Benzene			0.0200	0.0201		mg/L		100	78 - 126	1	30
Carbon tetrachloride			0.0200	0.0198		mg/L		99	56 - 131	1	30
Chlorobenzene			0.0200	0.0194		mg/L		97	80 - 119	1	30
Chloroform			0.0200	0.0201		mg/L		100	78 - 125	1	30
Tetrachloroethene			0.0200	0.0193		mg/L		96	70 - 127	3	30
Trichloroethene			0.0200	0.0191		mg/L		96	71 - 121	2	30
Vinyl chloride			0.0200	0.0212		mg/L		106	61 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*90*		*76 - 120*
Dibromofluoromethane (Surr)	*91*		*77 - 124*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LB3 460-783493/1-A
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783493

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/10/21 15:08	06/10/21 20:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-783493/1-A
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783493

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/10/21 15:08	06/10/21 20:53	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/10/21 15:08	06/10/21 20:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	LB3 Est. Result	LB3 Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg				06/10/21 15:08	06/10/21 20:53	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 145	06/10/21 15:08	06/10/21 20:53	1
4-Bromofluorobenzene	103		70 - 139	06/10/21 15:08	06/10/21 20:53	1
Dibromofluoromethane (Surr)	92		48 - 150	06/10/21 15:08	06/10/21 20:53	1
Toluene-d8 (Surr)	103		80 - 120	06/10/21 15:08	06/10/21 20:53	1

Lab Sample ID: MB 460-783514/7
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 20:30	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/10/21 20:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/10/21 20:30	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 20:30	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/10/21 20:30	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 20:30	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 20:30	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 20:30	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/10/21 20:30	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 20:30	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/10/21 20:30	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/10/21 20:30	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/10/21 20:30	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 20:30	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/10/21 20:30	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/10/21 20:30	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/10/21 20:30	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/10/21 20:30	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/10/21 20:30	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/10/21 20:30	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/10/21 20:30	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 20:30	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/10/21 20:30	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 20:30	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/10/21 20:30	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/10/21 20:30	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/10/21 20:30	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/10/21 20:30	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/10/21 20:30	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/10/21 20:30	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 20:30	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/10/21 20:30	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/10/21 20:30	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/10/21 20:30	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/10/21 20:30	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/10/21 20:30	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/10/21 20:30	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/10/21 20:30	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783514/7
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/10/21 20:30	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/10/21 20:30	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/10/21 20:30	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/10/21 20:30	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/10/21 20:30	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/10/21 20:30	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/10/21 20:30	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/10/21 20:30	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/10/21 20:30	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/10/21 20:30	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/10/21 20:30	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/10/21 20:30	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/10/21 20:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/10/21 20:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 145*		*06/10/21 20:30*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*		*06/10/21 20:30*	*1*
Dibromofluoromethane (Surr)	*90*		*48 - 150*		*06/10/21 20:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/10/21 20:30*	*1*

Lab Sample ID: LCS 460-783514/3
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0176		mg/Kg		88	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0199		mg/Kg		100	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0178		mg/Kg		89	78 - 136
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	75 - 120
1,1-Dichloroethane	0.0200	0.0192		mg/Kg		96	76 - 129
1,1-Dichloroethene	0.0200	0.0174		mg/Kg		87	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0189		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0220		mg/Kg		110	60 - 126
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0167		mg/Kg		84	70 - 132
1,2-Dichloropropane	0.0200	0.0195		mg/Kg		97	73 - 124
1,3-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
2-Butanone (MEK)	0.100	0.0750		mg/Kg		75	75 - 120
2-Hexanone	0.100	0.0834		mg/Kg		83	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0804		mg/Kg		80	80 - 122
Acetone	0.100	0.0719		mg/Kg		72	63 - 131
Benzene	0.0200	0.0206		mg/Kg		103	80 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783514/3
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			0.0200	0.0172		mg/Kg		86	48 - 142		
Bromomethane			0.0200	0.0186		mg/Kg		93	46 - 150		
Carbon disulfide			0.0200	0.0186		mg/Kg		93	67 - 136		
Carbon tetrachloride			0.0200	0.0170		mg/Kg		85	72 - 136		
Chlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120		
Chlorobromomethane			0.0200	0.0174		mg/Kg		87	76 - 127		
Chlorodibromomethane			0.0200	0.0170		mg/Kg		85	62 - 128		
Chloroethane			0.0200	0.0198		mg/Kg		99	49 - 150		
Chloroform			0.0200	0.0172		mg/Kg		86	79 - 126		
Chloromethane			0.0200	0.0207		mg/Kg		103	48 - 150		
cis-1,2-Dichloroethene			0.0200	0.0176		mg/Kg		88	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		99	72 - 120		
Cyclohexane			0.0200	0.0194		mg/Kg		97	80 - 132		
Dichlorobromomethane			0.0200	0.0164		mg/Kg		82	73 - 124		
Dichlorodifluoromethane			0.0200	0.0187		mg/Kg		93	40 - 146		
Ethylbenzene			0.0200	0.0191		mg/Kg		96	80 - 120		
Ethylene Dibromide			0.0200	0.0183		mg/Kg		91	79 - 120		
Isopropylbenzene			0.0200	0.0198		mg/Kg		99	80 - 120		
Methyl acetate			0.0400	0.0428		mg/Kg		107	58 - 143		
Methyl tert-butyl ether			0.0200	0.0183		mg/Kg		91	80 - 125		
Methylcyclohexane			0.0200	0.0196		mg/Kg		98	79 - 133		
Methylene Chloride			0.0200	0.0165		mg/Kg		82	76 - 127		
m-Xylene & p-Xylene			0.0200	0.0191		mg/Kg		96	80 - 120		
o-Xylene			0.0200	0.0189		mg/Kg		95	80 - 120		
Styrene			0.0200	0.0187		mg/Kg		94	80 - 120		
Tetrachloroethene			0.0200	0.0198		mg/Kg		99	78 - 123		
Toluene			0.0200	0.0198		mg/Kg		99	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0180		mg/Kg		90	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0183		mg/Kg		91	68 - 120		
Trichloroethene			0.0200	0.0188		mg/Kg		94	79 - 120		
Trichlorofluoromethane			0.0200	0.0177		mg/Kg		88	67 - 142		
Vinyl chloride			0.0200	0.0203		mg/Kg		102	56 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
4-Bromofluorobenzene	*113*		*70 - 139*
Dibromofluoromethane (Surr)	*101*		*48 - 150*
Toluene-d8 (Surr)	*114*		*80 - 120*

Lab Sample ID: LCSD 460-783514/4
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0175		mg/Kg		87	78 - 132	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0194		mg/Kg		97	69 - 123	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0194		mg/Kg		97	78 - 136	8	30
1,1,2-Trichloroethane			0.0200	0.0188		mg/Kg		94	75 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783514/4
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0192		mg/Kg		96	76 - 129	0	30
1,1-Dichloroethene	0.0200	0.0190		mg/Kg		95	77 - 132	8	30
1,2,3-Trichlorobenzene	0.0200	0.0180		mg/Kg		90	65 - 144	3	30
1,2,4-Trichlorobenzene	0.0200	0.0183		mg/Kg		91	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0190		mg/Kg		95	60 - 126	15	30
1,2-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0169		mg/Kg		85	70 - 132	1	30
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124	2	30
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0771		mg/Kg		77	75 - 120	3	30
2-Hexanone	0.100	0.0923		mg/Kg		92	78 - 120	10	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0914		mg/Kg		91	80 - 122	13	30
Acetone	0.100	0.0715		mg/Kg		71	63 - 131	1	30
Benzene	0.0200	0.0201		mg/Kg		101	80 - 123	2	30
Bromoform	0.0200	0.0168		mg/Kg		84	48 - 142	2	30
Bromomethane	0.0200	0.0170		mg/Kg		85	46 - 150	9	30
Carbon disulfide	0.0200	0.0197		mg/Kg		98	67 - 136	5	30
Carbon tetrachloride	0.0200	0.0172		mg/Kg		86	72 - 136	1	30
Chlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120	3	30
Chlorobromomethane	0.0200	0.0169		mg/Kg		85	76 - 127	3	30
Chlorodibromomethane	0.0200	0.0177		mg/Kg		88	62 - 128	4	30
Chloroethane	0.0200	0.0186		mg/Kg		93	49 - 150	6	30
Chloroform	0.0200	0.0174		mg/Kg		87	79 - 126	1	30
Chloromethane	0.0200	0.0204		mg/Kg		102	48 - 150	2	30
cis-1,2-Dichloroethene	0.0200	0.0174		mg/Kg		87	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	72 - 120	3	30
Cyclohexane	0.0200	0.0188		mg/Kg		94	80 - 132	3	30
Dichlorobromomethane	0.0200	0.0168		mg/Kg		84	73 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0175		mg/Kg		88	40 - 146	6	30
Ethylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	79 - 120	1	30
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120	1	30
Methyl acetate	0.0400	0.0469		mg/Kg		117	58 - 143	9	30
Methyl tert-butyl ether	0.0200	0.0176		mg/Kg		88	80 - 125	4	30
Methylcyclohexane	0.0200	0.0195		mg/Kg		98	79 - 133	1	30
Methylene Chloride	0.0200	0.0180		mg/Kg		90	76 - 127	9	30
m-Xylene & p-Xylene	0.0200	0.0193		mg/Kg		96	80 - 120	1	30
o-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120	1	30
Styrene	0.0200	0.0195		mg/Kg		98	80 - 120	4	30
Tetrachloroethene	0.0200	0.0198		mg/Kg		99	78 - 123	0	30
Toluene	0.0200	0.0204		mg/Kg		102	80 - 120	3	30
trans-1,2-Dichloroethene	0.0200	0.0174		mg/Kg		87	78 - 128	3	30
trans-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	68 - 120	6	30
Trichloroethene	0.0200	0.0188		mg/Kg		94	79 - 120	0	30
Trichlorofluoromethane	0.0200	0.0167		mg/Kg		84	67 - 142	5	30
Vinyl chloride	0.0200	0.0179		mg/Kg		90	56 - 147	13	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783514/4
Matrix: Solid
Analysis Batch: 783514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
4-Bromofluorobenzene	*112*		*70 - 139*
Dibromofluoromethane (Surr)	*95*		*48 - 150*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: MB 460-783615/9
Matrix: Solid
Analysis Batch: 783615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/11/21 09:59	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/11/21 09:59	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/11/21 09:59	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/11/21 09:59	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/11/21 09:59	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/11/21 09:59	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/11/21 09:59	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/11/21 09:59	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/11/21 09:59	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/11/21 09:59	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/11/21 09:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/11/21 09:59*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*06/11/21 09:59*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*06/11/21 09:59*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/11/21 09:59*	*1*

Lab Sample ID: LCS 460-783615/4
Matrix: Solid
Analysis Batch: 783615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0201		mg/L		100	68 - 133
1,2-Dichloroethane	0.0200	0.0203		mg/L		102	75 - 121
1,4-Dichlorobenzene	0.0200	0.0191		mg/L		95	80 - 118
2-Butanone (MEK)	0.100	0.0929		mg/L		93	69 - 128
Benzene	0.0200	0.0200		mg/L		100	78 - 126
Carbon tetrachloride	0.0200	0.0206		mg/L		103	56 - 131
Chlorobenzene	0.0200	0.0195		mg/L		97	80 - 119
Chloroform	0.0200	0.0208		mg/L		104	78 - 125
Tetrachloroethene	0.0200	0.0190		mg/L		95	70 - 127
Trichloroethene	0.0200	0.0194		mg/L		97	71 - 121
Vinyl chloride	0.0200	0.0226		mg/L		113	61 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*
4-Bromofluorobenzene	*89*		*76 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783615/4
Matrix: Solid
Analysis Batch: 783615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-783615/5
Matrix: Solid
Analysis Batch: 783615

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0202		mg/L		101	68 - 133	0	30
1,2-Dichloroethane			0.0200	0.0208		mg/L		104	75 - 121	2	30
1,4-Dichlorobenzene			0.0200	0.0194		mg/L		97	80 - 118	2	30
2-Butanone (MEK)			0.100	0.0917		mg/L		92	69 - 128	1	30
Benzene			0.0200	0.0209		mg/L		104	78 - 126	4	30
Carbon tetrachloride			0.0200	0.0209		mg/L		105	56 - 131	1	30
Chlorobenzene			0.0200	0.0202		mg/L		101	80 - 119	4	30
Chloroform			0.0200	0.0214		mg/L		107	78 - 125	3	30
Tetrachloroethene			0.0200	0.0200		mg/L		100	70 - 127	5	30
Trichloroethene			0.0200	0.0203		mg/L		101	71 - 121	4	30
Vinyl chloride			0.0200	0.0238		mg/L		119	61 - 144	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-783642/8
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			06/11/21 14:17	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			06/11/21 14:17	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			06/11/21 14:17	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			06/11/21 14:17	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			06/11/21 14:17	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			06/11/21 14:17	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			06/11/21 14:17	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			06/11/21 14:17	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			06/11/21 14:17	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			06/11/21 14:17	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			06/11/21 14:17	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			06/11/21 14:17	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			06/11/21 14:17	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			06/11/21 14:17	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			06/11/21 14:17	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783642/8
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.25	U	0.25	0.22	mg/Kg			06/11/21 14:17	50
Benzene	0.050	U	0.050	0.010	mg/Kg			06/11/21 14:17	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			06/11/21 14:17	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			06/11/21 14:17	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			06/11/21 14:17	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			06/11/21 14:17	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			06/11/21 14:17	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			06/11/21 14:17	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			06/11/21 14:17	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			06/11/21 14:17	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			06/11/21 14:17	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			06/11/21 14:17	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			06/11/21 14:17	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			06/11/21 14:17	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			06/11/21 14:17	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			06/11/21 14:17	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			06/11/21 14:17	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			06/11/21 14:17	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			06/11/21 14:17	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			06/11/21 14:17	50
o-Xylene	0.050	U	0.050	0.016	mg/Kg			06/11/21 14:17	50
Styrene	0.050	U	0.050	0.0085	mg/Kg			06/11/21 14:17	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			06/11/21 14:17	50
Toluene	0.050	U	0.050	0.013	mg/Kg			06/11/21 14:17	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			06/11/21 14:17	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			06/11/21 14:17	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			06/11/21 14:17	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			06/11/21 14:17	50

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/11/21 14:17*	*50*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 150*		*06/11/21 14:17*	*50*
4-Bromofluorobenzene	*121*		*62 - 150*		*06/11/21 14:17*	*50*
Dibromofluoromethane (Surr)	*99*		*54 - 150*		*06/11/21 14:17*	*50*
Toluene-d8 (Surr)	*101*		*68 - 148*		*06/11/21 14:17*	*50*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783642/3
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.00	0.986		mg/Kg		99	73 - 121
1,1,2,2-Tetrachloroethane	1.00	0.918		mg/Kg		92	74 - 138
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.777		mg/Kg		78	63 - 137
1,1,2-Trichloroethane	1.00	0.976		mg/Kg		98	79 - 120
1,1-Dichloroethane	1.00	0.954		mg/Kg		95	79 - 124
1,1-Dichloroethene	1.00	0.757		mg/Kg		76	72 - 128
1,2,3-Trichlorobenzene	1.00	1.13		mg/Kg		113	70 - 145
1,2,4-Trichlorobenzene	1.00	1.17		mg/Kg		117	70 - 138
1,2-Dibromo-3-Chloropropane	1.00	1.11		mg/Kg		111	73 - 131
1,2-Dichlorobenzene	1.00	1.02		mg/Kg		102	80 - 120
1,2-Dichloroethane	1.00	0.912		mg/Kg		91	62 - 132
1,2-Dichloropropane	1.00	0.993		mg/Kg		99	78 - 125
1,3-Dichlorobenzene	1.00	0.978		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	1.00	0.981		mg/Kg		98	80 - 120
2-Butanone (MEK)	5.00	5.07		mg/Kg		101	65 - 131
2-Hexanone	5.00	5.20		mg/Kg		104	80 - 121
4-Methyl-2-pentanone (MIBK)	5.00	5.03		mg/Kg		101	80 - 120
Acetone	5.00	4.45		mg/Kg		89	56 - 127
Benzene	1.00	0.964		mg/Kg		96	80 - 120
Bromoform	1.00	1.03		mg/Kg		103	62 - 121
Bromomethane	1.00	0.790		mg/Kg		79	39 - 150
Carbon disulfide	1.00	0.967		mg/Kg		97	67 - 134
Carbon tetrachloride	1.00	1.01		mg/Kg		101	68 - 123
Chlorobenzene	1.00	1.02		mg/Kg		102	80 - 120
Chlorobromomethane	1.00	1.02		mg/Kg		102	80 - 121
Chlorodibromomethane	1.00	1.00		mg/Kg		100	74 - 120
Chloroethane	1.00	0.753		mg/Kg		75	61 - 142
Chloroform	1.00	0.925		mg/Kg		92	80 - 120
Chloromethane	1.00	0.868		mg/Kg		87	47 - 150
cis-1,2-Dichloroethene	1.00	0.995		mg/Kg		99	80 - 120
cis-1,3-Dichloropropene	1.00	1.01		mg/Kg		101	71 - 132
Cyclohexane	1.00	1.04		mg/Kg		104	76 - 125
Dichlorobromomethane	1.00	0.956		mg/Kg		96	77 - 120
Dichlorodifluoromethane	1.00	1.11		mg/Kg		111	45 - 145
Ethylbenzene	1.00	1.01		mg/Kg		101	72 - 121
Ethylene Dibromide	1.00	1.00		mg/Kg		100	80 - 120
Isopropylbenzene	1.00	1.07		mg/Kg		107	67 - 125
Methyl acetate	2.00	2.08		mg/Kg		104	41 - 150
Methyl tert-butyl ether	1.00	0.981		mg/Kg		98	77 - 125
Methylcyclohexane	1.00	1.10		mg/Kg		110	61 - 136
Methylene Chloride	1.00	0.975		mg/Kg		97	74 - 127
m-Xylene & p-Xylene	1.00	1.04		mg/Kg		104	72 - 120
o-Xylene	1.00	1.00		mg/Kg		100	72 - 123
Styrene	1.00	1.03		mg/Kg		103	74 - 124
Tetrachloroethene	1.00	1.12		mg/Kg		112	73 - 120
Toluene	1.00	0.990		mg/Kg		99	80 - 120
trans-1,2-Dichloroethene	1.00	0.963		mg/Kg		96	77 - 127
trans-1,3-Dichloropropene	1.00	0.948		mg/Kg		95	68 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783642/3
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	1.00	0.979		mg/Kg		98	77 - 120
Trichlorofluoromethane	1.00	0.847		mg/Kg		85	66 - 133
Vinyl chloride	1.00	0.842		mg/Kg		84	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 150*
4-Bromofluorobenzene	*111*		*62 - 150*
Dibromofluoromethane (Surr)	*92*		*54 - 150*
Toluene-d8 (Surr)	*96*		*68 - 148*

Lab Sample ID: LCSD 460-783642/4
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.00	0.968		mg/Kg		97	73 - 121	2	30
1,1,2,2-Tetrachloroethane	1.00	0.907		mg/Kg		91	74 - 138	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.771		mg/Kg		77	63 - 137	1	30
1,1,2-Trichloroethane	1.00	0.938		mg/Kg		94	79 - 120	4	30
1,1-Dichloroethane	1.00	0.943		mg/Kg		94	79 - 124	1	30
1,1-Dichloroethene	1.00	0.746		mg/Kg		75	72 - 128	1	30
1,2,3-Trichlorobenzene	1.00	1.16		mg/Kg		116	70 - 145	3	30
1,2,4-Trichlorobenzene	1.00	1.16		mg/Kg		116	70 - 138	1	30
1,2-Dibromo-3-Chloropropane	1.00	1.07		mg/Kg		107	73 - 131	3	30
1,2-Dichlorobenzene	1.00	1.00		mg/Kg		100	80 - 120	1	30
1,2-Dichloroethane	1.00	0.907		mg/Kg		91	62 - 132	1	30
1,2-Dichloropropane	1.00	0.968		mg/Kg		97	78 - 125	3	30
1,3-Dichlorobenzene	1.00	0.941		mg/Kg		94	80 - 120	4	30
1,4-Dichlorobenzene	1.00	0.943		mg/Kg		94	80 - 120	4	30
2-Butanone (MEK)	5.00	5.16		mg/Kg		103	65 - 131	2	30
2-Hexanone	5.00	5.10		mg/Kg		102	80 - 121	2	30
4-Methyl-2-pentanone (MIBK)	5.00	4.91		mg/Kg		98	80 - 120	2	30
Acetone	5.00	4.37		mg/Kg		87	56 - 127	2	30
Benzene	1.00	0.953		mg/Kg		95	80 - 120	1	30
Bromoform	1.00	1.02		mg/Kg		102	62 - 121	0	30
Bromomethane	1.00	0.767		mg/Kg		77	39 - 150	3	30
Carbon disulfide	1.00	0.950		mg/Kg		95	67 - 134	2	30
Carbon tetrachloride	1.00	0.979		mg/Kg		98	68 - 123	3	30
Chlorobenzene	1.00	0.989		mg/Kg		99	80 - 120	3	30
Chlorobromomethane	1.00	0.983		mg/Kg		98	80 - 121	3	30
Chlorodibromomethane	1.00	0.992		mg/Kg		99	74 - 120	1	30
Chloroethane	1.00	0.743		mg/Kg		74	61 - 142	1	30
Chloroform	1.00	0.915		mg/Kg		92	80 - 120	1	30
Chloromethane	1.00	0.842		mg/Kg		84	47 - 150	3	30
cis-1,2-Dichloroethene	1.00	0.965		mg/Kg		96	80 - 120	3	30
cis-1,3-Dichloropropene	1.00	0.962		mg/Kg		96	71 - 132	4	30
Cyclohexane	1.00	1.02		mg/Kg		102	76 - 125	2	30
Dichlorobromomethane	1.00	0.941		mg/Kg		94	77 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783642/4
Matrix: Solid
Analysis Batch: 783642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			1.00	1.08		mg/Kg		108	45 - 145	3	30
Ethylbenzene			1.00	0.994		mg/Kg		99	72 - 121	2	30
Ethylene Dibromide			1.00	1.01		mg/Kg		101	80 - 120	0	30
Isopropylbenzene			1.00	1.07		mg/Kg		107	67 - 125	0	30
Methyl acetate			2.00	2.10		mg/Kg		105	41 - 150	1	30
Methyl tert-butyl ether			1.00	0.980		mg/Kg		98	77 - 125	0	30
Methylcyclohexane			1.00	1.04		mg/Kg		104	61 - 136	6	30
Methylene Chloride			1.00	0.960		mg/Kg		96	74 - 127	1	30
m-Xylene & p-Xylene			1.00	1.02		mg/Kg		102	72 - 120	2	30
o-Xylene			1.00	0.995		mg/Kg		100	72 - 123	1	30
Styrene			1.00	1.00		mg/Kg		100	74 - 124	2	30
Tetrachloroethene			1.00	1.07		mg/Kg		107	73 - 120	4	30
Toluene			1.00	0.974		mg/Kg		97	80 - 120	2	30
trans-1,2-Dichloroethene			1.00	0.927		mg/Kg		93	77 - 127	4	30
trans-1,3-Dichloropropene			1.00	0.947		mg/Kg		95	68 - 132	0	30
Trichloroethene			1.00	0.991		mg/Kg		99	77 - 120	1	30
Trichlorofluoromethane			1.00	0.827		mg/Kg		83	66 - 133	2	30
Vinyl chloride			1.00	0.806		mg/Kg		81	57 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 150*
4-Bromofluorobenzene	*122*		*62 - 150*
Dibromofluoromethane (Surr)	*100*		*54 - 150*
Toluene-d8 (Surr)	*106*		*68 - 148*

Lab Sample ID: LB3 460-783730/1-A
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783730

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/11/21 15:08	06/13/21 06:58	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-783730/1-A
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783730

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/11/21 15:08	06/13/21 06:58	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/11/21 15:08	06/13/21 06:58	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/11/21 15:08*	*06/13/21 06:58*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 145*	*06/11/21 15:08*	*06/13/21 06:58*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*06/11/21 15:08*	*06/13/21 06:58*	*1*
Dibromofluoromethane (Surr)	*88*		*48 - 150*	*06/11/21 15:08*	*06/13/21 06:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*06/11/21 15:08*	*06/13/21 06:58*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783750/8
Matrix: Solid
Analysis Batch: 783750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/11/21 22:34	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/11/21 22:34	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/11/21 22:34	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/11/21 22:34	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/11/21 22:34	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/11/21 22:34	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/11/21 22:34	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/11/21 22:34	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/11/21 22:34	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/11/21 22:34	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/11/21 22:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*06/11/21 22:34*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*06/11/21 22:34*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*06/11/21 22:34*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/11/21 22:34*	*1*

Lab Sample ID: LCS 460-783750/3
Matrix: Solid
Analysis Batch: 783750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0198		mg/L		99	68 - 133
1,2-Dichloroethane	0.0200	0.0198		mg/L		99	75 - 121
1,4-Dichlorobenzene	0.0200	0.0191		mg/L		96	80 - 118
2-Butanone (MEK)	0.100	0.0953		mg/L		95	69 - 128
Benzene	0.0200	0.0203		mg/L		102	78 - 126
Carbon tetrachloride	0.0200	0.0199		mg/L		100	56 - 131
Chlorobenzene	0.0200	0.0201		mg/L		100	80 - 119
Chloroform	0.0200	0.0210		mg/L		105	78 - 125
Tetrachloroethene	0.0200	0.0193		mg/L		96	70 - 127
Trichloroethene	0.0200	0.0194		mg/L		97	71 - 121
Vinyl chloride	0.0200	0.0216		mg/L		108	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*
4-Bromofluorobenzene	*91*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-783750/4
Matrix: Solid
Analysis Batch: 783750

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0208		mg/L		104	68 - 133	5	30
1,2-Dichloroethane	0.0200	0.0210		mg/L		105	75 - 121	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783750/4
Matrix: Solid
Analysis Batch: 783750

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0200	0.0200		mg/L		100	80 - 118	5	30
2-Butanone (MEK)			0.100	0.0965		mg/L		96	69 - 128	1	30
Benzene			0.0200	0.0209		mg/L		105	78 - 126	3	30
Carbon tetrachloride			0.0200	0.0203		mg/L		102	56 - 131	2	30
Chlorobenzene			0.0200	0.0202		mg/L		101	80 - 119	1	30
Chloroform			0.0200	0.0217		mg/L		108	78 - 125	3	30
Tetrachloroethene			0.0200	0.0198		mg/L		99	70 - 127	3	30
Trichloroethene			0.0200	0.0201		mg/L		100	71 - 121	3	30
Vinyl chloride			0.0200	0.0227		mg/L		113	61 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*108*		*77 - 124*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 460-783905/7
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/13/21 06:12	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/13/21 06:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/13/21 06:12	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/13/21 06:12	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/13/21 06:12	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/13/21 06:12	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/13/21 06:12	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/21 06:12	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/13/21 06:12	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/21 06:12	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/13/21 06:12	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/13/21 06:12	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/13/21 06:12	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/13/21 06:12	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/13/21 06:12	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/13/21 06:12	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/13/21 06:12	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/13/21 06:12	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/13/21 06:12	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/13/21 06:12	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/13/21 06:12	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/13/21 06:12	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/13/21 06:12	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/13/21 06:12	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/13/21 06:12	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/13/21 06:12	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/13/21 06:12	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-783905/7
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/13/21 06:12	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/13/21 06:12	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/21 06:12	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/13/21 06:12	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/13/21 06:12	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/13/21 06:12	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/13/21 06:12	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/13/21 06:12	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/13/21 06:12	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/13/21 06:12	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/13/21 06:12	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/13/21 06:12	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/13/21 06:12	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/13/21 06:12	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/13/21 06:12	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/13/21 06:12	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/13/21 06:12	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/13/21 06:12	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/13/21 06:12	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/13/21 06:12	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/13/21 06:12	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/13/21 06:12	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/13/21 06:12	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/13/21 06:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/13/21 06:12*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 145*		*06/13/21 06:12*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*06/13/21 06:12*	*1*
Dibromofluoromethane (Surr)	*91*		*48 - 150*		*06/13/21 06:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/13/21 06:12*	*1*

Lab Sample ID: LCS 460-783905/4
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0175		mg/Kg		88	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0193		mg/Kg		96	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0177		mg/Kg		89	78 - 136
1,1,2-Trichloroethane	0.0200	0.0198		mg/Kg		99	75 - 120
1,1-Dichloroethane	0.0200	0.0198		mg/Kg		99	76 - 129
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		95	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0170		mg/Kg		85	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0176		mg/Kg		88	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783905/4
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0173		mg/Kg		87	60 - 126
1,2-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0182		mg/Kg		91	70 - 132
1,2-Dichloropropane	0.0200	0.0195		mg/Kg		97	73 - 124
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0782		mg/Kg		78	75 - 120
2-Hexanone	0.100	0.102		mg/Kg		102	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.101		mg/Kg		101	80 - 122
Acetone	0.100	0.0795		mg/Kg		80	63 - 131
Benzene	0.0200	0.0215		mg/Kg		107	80 - 123
Bromoform	0.0200	0.0173		mg/Kg		86	48 - 142
Bromomethane	0.0200	0.0167		mg/Kg		84	46 - 150
Carbon disulfide	0.0200	0.0203		mg/Kg		102	67 - 136
Carbon tetrachloride	0.0200	0.0166		mg/Kg		83	72 - 136
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Chlorobromomethane	0.0200	0.0171		mg/Kg		85	76 - 127
Chlorodibromomethane	0.0200	0.0185		mg/Kg		92	62 - 128
Chloroethane	0.0200	0.0165		mg/Kg		83	49 - 150
Chloroform	0.0200	0.0181		mg/Kg		91	79 - 126
Chloromethane	0.0200	0.0185		mg/Kg		92	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0178		mg/Kg		89	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0210		mg/Kg		105	72 - 120
Cyclohexane	0.0200	0.0176		mg/Kg		88	80 - 132
Dichlorobromomethane	0.0200	0.0172		mg/Kg		86	73 - 124
Dichlorodifluoromethane	0.0200	0.0159		mg/Kg		79	40 - 146
Ethylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Ethylene Dibromide	0.0200	0.0181		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0185		mg/Kg		92	80 - 120
Methyl acetate	0.0400	0.0421		mg/Kg		105	58 - 143
Methyl tert-butyl ether	0.0200	0.0171		mg/Kg		85	80 - 125
Methylcyclohexane	0.0200	0.0165		mg/Kg		83	79 - 133
Methylene Chloride	0.0200	0.0170		mg/Kg		85	76 - 127
m-Xylene & p-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120
Styrene	0.0200	0.0196		mg/Kg		98	80 - 120
Tetrachloroethene	0.0200	0.0188		mg/Kg		94	78 - 123
Toluene	0.0200	0.0210		mg/Kg		105	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0172		mg/Kg		86	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0201		mg/Kg		100	68 - 120
Trichloroethene	0.0200	0.0186		mg/Kg		93	79 - 120
Trichlorofluoromethane	0.0200	0.0160		mg/Kg		80	67 - 142
Vinyl chloride	0.0200	0.0181		mg/Kg		91	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*87*		*48 - 150*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-783905/4
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-783905/34
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0182		mg/Kg		91	78 - 132	4	30
1,1,2,2-Tetrachloroethane			0.0200	0.0193		mg/Kg		96	69 - 123	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0175		mg/Kg		88	78 - 136	1	30
1,1,2-Trichloroethane			0.0200	0.0196		mg/Kg		98	75 - 120	1	30
1,1-Dichloroethane			0.0200	0.0200		mg/Kg		100	76 - 129	1	30
1,1-Dichloroethene			0.0200	0.0176		mg/Kg		88	77 - 132	8	30
1,2,3-Trichlorobenzene			0.0200	0.0190		mg/Kg		95	65 - 144	11	30
1,2,4-Trichlorobenzene			0.0200	0.0190		mg/Kg		95	75 - 120	8	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0197		mg/Kg		98	60 - 126	13	30
1,2-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0189		mg/Kg		95	70 - 132	4	30
1,2-Dichloropropane			0.0200	0.0200		mg/Kg		100	73 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	3	30
1,4-Dichlorobenzene			0.0200	0.0193		mg/Kg		96	80 - 120	1	30
2-Butanone (MEK)			0.100	0.0893		mg/Kg		89	75 - 120	13	30
2-Hexanone			0.100	0.100		mg/Kg		100	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0982		mg/Kg		98	80 - 122	3	30
Acetone			0.100	0.0822		mg/Kg		82	63 - 131	3	30
Benzene			0.0200	0.0209		mg/Kg		105	80 - 123	3	30
Bromoform			0.0200	0.0183		mg/Kg		92	48 - 142	6	30
Bromomethane			0.0200	0.0149		mg/Kg		75	46 - 150	11	30
Carbon disulfide			0.0200	0.0187		mg/Kg		93	67 - 136	9	30
Carbon tetrachloride			0.0200	0.0171		mg/Kg		86	72 - 136	3	30
Chlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	2	30
Chlorobromomethane			0.0200	0.0190		mg/Kg		95	76 - 127	11	30
Chlorodibromomethane			0.0200	0.0188		mg/Kg		94	62 - 128	2	30
Chloroethane			0.0200	0.0151		mg/Kg		75	49 - 150	9	30
Chloroform			0.0200	0.0181		mg/Kg		91	79 - 126	0	30
Chloromethane			0.0200	0.0160		mg/Kg		80	48 - 150	14	30
cis-1,2-Dichloroethene			0.0200	0.0182		mg/Kg		91	80 - 123	2	30
cis-1,3-Dichloropropene			0.0200	0.0208		mg/Kg		104	72 - 120	1	30
Cyclohexane			0.0200	0.0185		mg/Kg		93	80 - 132	5	30
Dichlorobromomethane			0.0200	0.0180		mg/Kg		90	73 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0160		mg/Kg		80	40 - 146	1	30
Ethylbenzene			0.0200	0.0205		mg/Kg		103	80 - 120	7	30
Ethylene Dibromide			0.0200	0.0194		mg/Kg		97	79 - 120	7	30
Isopropylbenzene			0.0200	0.0202		mg/Kg		101	80 - 120	9	30
Methyl acetate			0.0400	0.0421		mg/Kg		105	58 - 143	0	30
Methyl tert-butyl ether			0.0200	0.0193		mg/Kg		97	80 - 125	12	30
Methylcyclohexane			0.0200	0.0191		mg/Kg		95	79 - 133	14	30
Methylene Chloride			0.0200	0.0188		mg/Kg		94	76 - 127	10	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-783905/34
Matrix: Solid
Analysis Batch: 783905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.0200	0.0202		mg/Kg		101	80 - 120	5	30
o-Xylene			0.0200	0.0199		mg/Kg		100	80 - 120	6	30
Styrene			0.0200	0.0197		mg/Kg		98	80 - 120	1	30
Tetrachloroethene			0.0200	0.0199		mg/Kg		100	78 - 123	6	30
Toluene			0.0200	0.0207		mg/Kg		103	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0186		mg/Kg		93	78 - 128	8	30
trans-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	68 - 120	1	30
Trichloroethene			0.0200	0.0193		mg/Kg		96	79 - 120	4	30
Trichlorofluoromethane			0.0200	0.0151		mg/Kg		75	67 - 142	6	30
Vinyl chloride			0.0200	0.0158		mg/Kg		79	56 - 147	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 145*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*93*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LB3 460-783915/1-A
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783915

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg		06/13/21 06:13	06/15/21 09:45	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-783915/1-A
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783915

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg		06/13/21 06:13	06/15/21 09:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		06/13/21 06:13	06/15/21 09:45	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*06/13/21 06:13*	*06/15/21 09:45*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*06/13/21 06:13*	*06/15/21 09:45*	*1*
4-Bromofluorobenzene	*107*		*70 - 139*	*06/13/21 06:13*	*06/15/21 09:45*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*	*06/13/21 06:13*	*06/15/21 09:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*06/13/21 06:13*	*06/15/21 09:45*	*1*

Lab Sample ID: MB 460-784181/8
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/15/21 00:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/15/21 00:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/15/21 00:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/15/21 00:10	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/15/21 00:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/15/21 00:10	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/15/21 00:10	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/15/21 00:10	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-784181/8
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/15/21 00:10	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/15/21 00:10	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/15/21 00:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/15/21 00:10*	*1*
4-Bromofluorobenzene	*95*		*76 - 120*		*06/15/21 00:10*	*1*
Dibromofluoromethane (Surr)	*87*		*77 - 124*		*06/15/21 00:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/15/21 00:10*	*1*

Lab Sample ID: LCS 460-784181/3
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0213		mg/L		106	68 - 133
1,2-Dichloroethane	0.0200	0.0200		mg/L		100	75 - 121
1,4-Dichlorobenzene	0.0200	0.0208		mg/L		104	80 - 118
2-Butanone (MEK)	0.100	0.0769		mg/L		77	69 - 128
Benzene	0.0200	0.0220		mg/L		110	78 - 126
Carbon tetrachloride	0.0200	0.0235		mg/L		117	56 - 131
Chlorobenzene	0.0200	0.0214		mg/L		107	80 - 119
Chloroform	0.0200	0.0210		mg/L		105	78 - 125
Tetrachloroethene	0.0200	0.0216		mg/L		108	70 - 127
Trichloroethene	0.0200	0.0211		mg/L		106	71 - 121
Vinyl chloride	0.0200	0.0230		mg/L		115	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-784181/4
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0185		mg/L		92	68 - 133	14	30
1,2-Dichloroethane	0.0200	0.0181		mg/L		91	75 - 121	10	30
1,4-Dichlorobenzene	0.0200	0.0192		mg/L		96	80 - 118	8	30
2-Butanone (MEK)	0.100	0.0790		mg/L		79	69 - 128	3	30
Benzene	0.0200	0.0198		mg/L		99	78 - 126	11	30
Carbon tetrachloride	0.0200	0.0205		mg/L		103	56 - 131	13	30
Chlorobenzene	0.0200	0.0197		mg/L		98	80 - 119	9	30
Chloroform	0.0200	0.0186		mg/L		93	78 - 125	12	30
Tetrachloroethene	0.0200	0.0192		mg/L		96	70 - 127	12	30
Trichloroethene	0.0200	0.0188		mg/L		94	71 - 121	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-784181/4
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			0.0200	0.0197		mg/L		98	61 - 144	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-784241/7
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/15/21 09:22	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/15/21 09:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/15/21 09:22	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/15/21 09:22	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/15/21 09:22	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/15/21 09:22	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/15/21 09:22	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/15/21 09:22	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/15/21 09:22	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/15/21 09:22	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/15/21 09:22	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/15/21 09:22	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/15/21 09:22	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/15/21 09:22	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/15/21 09:22	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/15/21 09:22	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/15/21 09:22	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/15/21 09:22	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/15/21 09:22	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/15/21 09:22	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/15/21 09:22	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/15/21 09:22	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/15/21 09:22	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/15/21 09:22	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/15/21 09:22	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/15/21 09:22	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/15/21 09:22	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/15/21 09:22	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/15/21 09:22	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/15/21 09:22	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/15/21 09:22	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/15/21 09:22	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/15/21 09:22	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/15/21 09:22	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/15/21 09:22	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-784241/7
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/15/21 09:22	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/15/21 09:22	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/15/21 09:22	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/15/21 09:22	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/15/21 09:22	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/15/21 09:22	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/15/21 09:22	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/15/21 09:22	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/15/21 09:22	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/15/21 09:22	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/15/21 09:22	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/15/21 09:22	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/15/21 09:22	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/15/21 09:22	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/15/21 09:22	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/15/21 09:22	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/15/21 09:22*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*		*06/15/21 09:22*	*1*
4-Bromofluorobenzene	*111*		*70 - 139*		*06/15/21 09:22*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*		*06/15/21 09:22*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/15/21 09:22*	*1*

Lab Sample ID: LCS 460-784241/3
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0174		mg/Kg		87	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0180		mg/Kg		90	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0172		mg/Kg		86	78 - 136
1,1,2-Trichloroethane	0.0200	0.0188		mg/Kg		94	75 - 120
1,1-Dichloroethane	0.0200	0.0198		mg/Kg		99	76 - 129
1,1-Dichloroethene	0.0200	0.0170		mg/Kg		85	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0174		mg/Kg		87	60 - 126
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 132
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	73 - 124
1,3-Dichlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
2-Butanone (MEK)	0.100	0.0734	*	mg/Kg		73	75 - 120
2-Hexanone	0.100	0.0920		mg/Kg		92	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-784241/3
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	0.100	0.0946		mg/Kg		95	80 - 122
Acetone	0.100	0.0735		mg/Kg		73	63 - 131
Benzene	0.0200	0.0202		mg/Kg		101	80 - 123
Bromoform	0.0200	0.0160		mg/Kg		80	48 - 142
Bromomethane	0.0200	0.0159		mg/Kg		79	46 - 150
Carbon disulfide	0.0200	0.0171		mg/Kg		85	67 - 136
Carbon tetrachloride	0.0200	0.0161		mg/Kg		81	72 - 136
Chlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
Chlorobromomethane	0.0200	0.0174		mg/Kg		87	76 - 127
Chlorodibromomethane	0.0200	0.0176		mg/Kg		88	62 - 128
Chloroethane	0.0200	0.0171		mg/Kg		85	49 - 150
Chloroform	0.0200	0.0175		mg/Kg		88	79 - 126
Chloromethane	0.0200	0.0195		mg/Kg		98	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0167		mg/Kg		84	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	72 - 120
Cyclohexane	0.0200	0.0188		mg/Kg		94	80 - 132
Dichlorobromomethane	0.0200	0.0169		mg/Kg		85	73 - 124
Dichlorodifluoromethane	0.0200	0.0156		mg/Kg		78	40 - 146
Ethylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Ethylene Dibromide	0.0200	0.0175		mg/Kg		88	79 - 120
Isopropylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Methyl acetate	0.0400	0.0492		mg/Kg		123	58 - 143
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	80 - 125
Methylcyclohexane	0.0200	0.0191		mg/Kg		96	79 - 133
Methylene Chloride	0.0200	0.0177		mg/Kg		88	76 - 127
m-Xylene & p-Xylene	0.0200	0.0190		mg/Kg		95	80 - 120
o-Xylene	0.0200	0.0189		mg/Kg		95	80 - 120
Styrene	0.0200	0.0190		mg/Kg		95	80 - 120
Tetrachloroethene	0.0200	0.0182		mg/Kg		91	78 - 123
Toluene	0.0200	0.0198		mg/Kg		99	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0174		mg/Kg		87	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0193		mg/Kg		97	68 - 120
Trichloroethene	0.0200	0.0182		mg/Kg		91	79 - 120
Trichlorofluoromethane	0.0200	0.0161		mg/Kg		81	67 - 142
Vinyl chloride	0.0200	0.0182		mg/Kg		91	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*92*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-784241/4
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0179		mg/Kg		89	78 - 132	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-784241/4
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	0.0200	0.0197		mg/Kg		99	69 - 123	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0178		mg/Kg		89	78 - 136	3	30
1,1,2-Trichloroethane	0.0200	0.0189		mg/Kg		94	75 - 120	0	30
1,1-Dichloroethane	0.0200	0.0207		mg/Kg		103	76 - 129	4	30
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	77 - 132	5	30
1,2,3-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	65 - 144	4	30
1,2,4-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0176		mg/Kg		88	60 - 126	1	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 132	7	30
1,2-Dichloropropane	0.0200	0.0213		mg/Kg		106	73 - 124	7	30
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	6	30
2-Butanone (MEK)	0.100	0.0806		mg/Kg		81	75 - 120	9	30
2-Hexanone	0.100	0.0988		mg/Kg		99	78 - 120	7	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0996		mg/Kg		100	80 - 122	5	30
Acetone	0.100	0.0788		mg/Kg		79	63 - 131	7	30
Benzene	0.0200	0.0213		mg/Kg		107	80 - 123	5	30
Bromoform	0.0200	0.0171		mg/Kg		86	48 - 142	7	30
Bromomethane	0.0200	0.0176		mg/Kg		88	46 - 150	10	30
Carbon disulfide	0.0200	0.0188		mg/Kg		94	67 - 136	10	30
Carbon tetrachloride	0.0200	0.0165		mg/Kg		83	72 - 136	3	30
Chlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	5	30
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0181		mg/Kg		91	62 - 128	3	30
Chloroethane	0.0200	0.0181		mg/Kg		91	49 - 150	6	30
Chloroform	0.0200	0.0185		mg/Kg		92	79 - 126	5	30
Chloromethane	0.0200	0.0199		mg/Kg		99	48 - 150	2	30
cis-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	80 - 123	13	30
cis-1,3-Dichloropropene	0.0200	0.0208		mg/Kg		104	72 - 120	7	30
Cyclohexane	0.0200	0.0195		mg/Kg		97	80 - 132	4	30
Dichlorobromomethane	0.0200	0.0180		mg/Kg		90	73 - 124	6	30
Dichlorodifluoromethane	0.0200	0.0165		mg/Kg		82	40 - 146	6	30
Ethylbenzene	0.0200	0.0195		mg/Kg		97	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	79 - 120	6	30
Isopropylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	4	30
Methyl acetate	0.0400	0.0503		mg/Kg		126	58 - 143	2	30
Methyl tert-butyl ether	0.0200	0.0201		mg/Kg		101	80 - 125	5	30
Methylcyclohexane	0.0200	0.0204		mg/Kg		102	79 - 133	7	30
Methylene Chloride	0.0200	0.0197		mg/Kg		99	76 - 127	11	30
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120	3	30
o-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120	4	30
Styrene	0.0200	0.0199		mg/Kg		100	80 - 120	5	30
Tetrachloroethene	0.0200	0.0182		mg/Kg		91	78 - 123	0	30
Toluene	0.0200	0.0205		mg/Kg		103	80 - 120	4	30
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	78 - 128	10	30
trans-1,3-Dichloropropene	0.0200	0.0202		mg/Kg		101	68 - 120	4	30
Trichloroethene	0.0200	0.0189		mg/Kg		95	79 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-784241/4
Matrix: Solid
Analysis Batch: 784241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane			0.0200	0.0167		mg/Kg		84	67 - 142	4	30
Vinyl chloride			0.0200	0.0177		mg/Kg		88	56 - 147	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
4-Bromofluorobenzene	*109*		*70 - 139*
Dibromofluoromethane (Surr)	*99*		*48 - 150*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 460-784471/8
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/16/21 13:41	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/16/21 13:41	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00033	mg/L			06/16/21 13:41	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/16/21 13:41	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/16/21 13:41	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/16/21 13:41	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/16/21 13:41	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/16/21 13:41	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/16/21 13:41	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/16/21 13:41	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/16/21 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/16/21 13:41*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*06/16/21 13:41*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/16/21 13:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/16/21 13:41*	*1*

Lab Sample ID: LCS 460-784471/4
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			0.0200	0.0200		mg/L		100	68 - 133		
1,2-Dichloroethane			0.0200	0.0191		mg/L		95	75 - 121		
1,4-Dichlorobenzene			0.0200	0.0206		mg/L		103	80 - 118		
2-Butanone (MEK)			0.100	0.0918		mg/L		92	69 - 128		
Benzene			0.0200	0.0214		mg/L		107	78 - 126		
Carbon tetrachloride			0.0200	0.0221		mg/L		110	56 - 131		
Chlorobenzene			0.0200	0.0207		mg/L		104	80 - 119		
Chloroform			0.0200	0.0199		mg/L		100	78 - 125		
Tetrachloroethene			0.0200	0.0205		mg/L		103	70 - 127		
Trichloroethene			0.0200	0.0201		mg/L		101	71 - 121		
Vinyl chloride			0.0200	0.0227		mg/L		113	61 - 144		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-784471/4
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 460-784471/5
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0194		mg/L		97	68 - 133	3	30
1,2-Dichloroethane			0.0200	0.0189		mg/L		94	75 - 121	1	30
1,4-Dichlorobenzene			0.0200	0.0201		mg/L		100	80 - 118	3	30
2-Butanone (MEK)			0.100	0.0978		mg/L		98	69 - 128	6	30
Benzene			0.0200	0.0215		mg/L		107	78 - 126	0	30
Carbon tetrachloride			0.0200	0.0218		mg/L		109	56 - 131	1	30
Chlorobenzene			0.0200	0.0199		mg/L		100	80 - 119	4	30
Chloroform			0.0200	0.0197		mg/L		99	78 - 125	1	30
Tetrachloroethene			0.0200	0.0203		mg/L		101	70 - 127	1	30
Trichloroethene			0.0200	0.0199		mg/L		99	71 - 121	1	30
Vinyl chloride			0.0200	0.0253		mg/L		126	61 - 144	11	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*
4-Bromofluorobenzene	*113*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 460-784815/8
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/17/21 11:34	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/17/21 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/17/21 11:34	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			06/17/21 11:34	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			06/17/21 11:34	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/17/21 11:34	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/17/21 11:34	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/17/21 11:34	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/17/21 11:34	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/17/21 11:34	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/17/21 11:34	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/17/21 11:34	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/17/21 11:34	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			06/17/21 11:34	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/17/21 11:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-784815/8
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/17/21 11:34	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/17/21 11:34	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/17/21 11:34	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			06/17/21 11:34	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/17/21 11:34	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/17/21 11:34	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/17/21 11:34	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/17/21 11:34	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			06/17/21 11:34	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			06/17/21 11:34	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			06/17/21 11:34	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/17/21 11:34	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/17/21 11:34	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/17/21 11:34	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/17/21 11:34	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/17/21 11:34	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/17/21 11:34	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/17/21 11:34	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/17/21 11:34	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			06/17/21 11:34	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			06/17/21 11:34	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/17/21 11:34	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/17/21 11:34	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/17/21 11:34	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/17/21 11:34	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/17/21 11:34	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			06/17/21 11:34	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			06/17/21 11:34	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/17/21 11:34	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/17/21 11:34	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/17/21 11:34	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/17/21 11:34	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/17/21 11:34	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/17/21 11:34	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/17/21 11:34	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/17/21 11:34	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*06/17/21 11:34*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*		*06/17/21 11:34*	*1*
4-Bromofluorobenzene	*108*		*70 - 139*		*06/17/21 11:34*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*06/17/21 11:34*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/17/21 11:34*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-784815/4
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0182		mg/Kg		91	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0210		mg/Kg		105	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0170		mg/Kg		85	78 - 136
1,1,2-Trichloroethane	0.0200	0.0194		mg/Kg		97	75 - 120
1,1-Dichloroethane	0.0200	0.0206		mg/Kg		103	76 - 129
1,1-Dichloroethene	0.0200	0.0170		mg/Kg		85	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0208		mg/Kg		104	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0212		mg/Kg		106	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0213		mg/Kg		107	60 - 126
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0200	0.0187		mg/Kg		94	70 - 132
1,2-Dichloropropane	0.0200	0.0209		mg/Kg		104	73 - 124
1,3-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
1,4-Dichlorobenzene	0.0200	0.0199		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.0775		mg/Kg		77	75 - 120
2-Hexanone	0.100	0.0942		mg/Kg		94	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0934		mg/Kg		93	80 - 122
Acetone	0.100	0.0740		mg/Kg		74	63 - 131
Benzene	0.0200	0.0212		mg/Kg		106	80 - 123
Bromoform	0.0200	0.0173		mg/Kg		87	48 - 142
Bromomethane	0.0200	0.0174		mg/Kg		87	46 - 150
Carbon disulfide	0.0200	0.0183		mg/Kg		92	67 - 136
Carbon tetrachloride	0.0200	0.0171		mg/Kg		86	72 - 136
Chlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	62 - 128
Chloroethane	0.0200	0.0185		mg/Kg		92	49 - 150
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0201		mg/Kg		101	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		95	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0214		mg/Kg		107	72 - 120
Cyclohexane	0.0200	0.0196		mg/Kg		98	80 - 132
Dichlorobromomethane	0.0200	0.0176		mg/Kg		88	73 - 124
Dichlorodifluoromethane	0.0200	0.0162		mg/Kg		81	40 - 146
Ethylbenzene	0.0200	0.0203		mg/Kg		102	80 - 120
Ethylene Dibromide	0.0200	0.0188		mg/Kg		94	79 - 120
Isopropylbenzene	0.0200	0.0199		mg/Kg		99	80 - 120
Methyl acetate	0.0400	0.0547		mg/Kg		137	58 - 143
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		103	80 - 125
Methylcyclohexane	0.0200	0.0194		mg/Kg		97	79 - 133
Methylene Chloride	0.0200	0.0198		mg/Kg		99	76 - 127
m-Xylene & p-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120
o-Xylene	0.0200	0.0203		mg/Kg		102	80 - 120
Styrene	0.0200	0.0202		mg/Kg		101	80 - 120
Tetrachloroethene	0.0200	0.0179		mg/Kg		90	78 - 123
Toluene	0.0200	0.0205		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0201		mg/Kg		101	68 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-784815/4
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0188		mg/Kg		94	79 - 120
Trichlorofluoromethane	0.0200	0.0172		mg/Kg		86	67 - 142
Vinyl chloride	0.0200	0.0190		mg/Kg		95	56 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*95*		*48 - 150*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-784815/5
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0185		mg/Kg		93	78 - 132	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0209		mg/Kg		104	69 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0180		mg/Kg		90	78 - 136	6	30
1,1,2-Trichloroethane	0.0200	0.0197		mg/Kg		98	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0210		mg/Kg		105	76 - 129	2	30
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	77 - 132	6	30
1,2,3-Trichlorobenzene	0.0200	0.0198		mg/Kg		99	65 - 144	5	30
1,2,4-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0197		mg/Kg		98	60 - 126	8	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 132	2	30
1,2-Dichloropropane	0.0200	0.0209		mg/Kg		105	73 - 124	0	30
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0784		mg/Kg		78	75 - 120	1	30
2-Hexanone	0.100	0.0950		mg/Kg		95	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0942		mg/Kg		94	80 - 122	1	30
Acetone	0.100	0.0752		mg/Kg		75	63 - 131	2	30
Benzene	0.0200	0.0214		mg/Kg		107	80 - 123	1	30
Bromoform	0.0200	0.0176		mg/Kg		88	48 - 142	2	30
Bromomethane	0.0200	0.0182		mg/Kg		91	46 - 150	5	30
Carbon disulfide	0.0200	0.0208		mg/Kg		104	67 - 136	13	30
Carbon tetrachloride	0.0200	0.0183		mg/Kg		91	72 - 136	7	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	1	30
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127	0	30
Chlorodibromomethane	0.0200	0.0187		mg/Kg		93	62 - 128	3	30
Chloroethane	0.0200	0.0188		mg/Kg		94	49 - 150	2	30
Chloroform	0.0200	0.0191		mg/Kg		95	79 - 126	2	30
Chloromethane	0.0200	0.0203		mg/Kg		101	48 - 150	1	30
cis-1,2-Dichloroethene	0.0200	0.0193		mg/Kg		96	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0216		mg/Kg		108	72 - 120	1	30
Cyclohexane	0.0200	0.0207		mg/Kg		104	80 - 132	6	30
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	73 - 124	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-784815/5
Matrix: Solid
Analysis Batch: 784815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			0.0200	0.0164		mg/Kg		82	40 - 146	1	30
Ethylbenzene			0.0200	0.0197		mg/Kg		99	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0195		mg/Kg		97	79 - 120	3	30
Isopropylbenzene			0.0200	0.0203		mg/Kg		101	80 - 120	2	30
Methyl acetate			0.0400	0.0547		mg/Kg		137	58 - 143	0	30
Methyl tert-butyl ether			0.0200	0.0205		mg/Kg		102	80 - 125	1	30
Methylcyclohexane			0.0200	0.0210		mg/Kg		105	79 - 133	8	30
Methylene Chloride			0.0200	0.0196		mg/Kg		98	76 - 127	1	30
m-Xylene & p-Xylene			0.0200	0.0199		mg/Kg		99	80 - 120	0	30
o-Xylene			0.0200	0.0199		mg/Kg		99	80 - 120	2	30
Styrene			0.0200	0.0199		mg/Kg		100	80 - 120	1	30
Tetrachloroethene			0.0200	0.0186		mg/Kg		93	78 - 123	4	30
Toluene			0.0200	0.0204		mg/Kg		102	80 - 120	0	30
trans-1,2-Dichloroethene			0.0200	0.0195		mg/Kg		98	78 - 128	2	30
trans-1,3-Dichloropropene			0.0200	0.0198		mg/Kg		99	68 - 120	1	30
Trichloroethene			0.0200	0.0191		mg/Kg		96	79 - 120	1	30
Trichlorofluoromethane			0.0200	0.0178		mg/Kg		89	67 - 142	3	30
Vinyl chloride			0.0200	0.0189		mg/Kg		95	56 - 147	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*110*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LB 460-783113/1-A
Matrix: Solid
Analysis Batch: 783376

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/10/21 10:12	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/10/21 10:12	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/10/21 10:12	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/10/21 10:12	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/10/21 10:12	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/10/21 10:12	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/10/21 10:12	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/10/21 10:12	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/10/21 10:12	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/10/21 10:12	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/10/21 10:12	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*06/10/21 10:12*	*10*
4-Bromofluorobenzene	*94*		*76 - 120*		*06/10/21 10:12*	*10*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*06/10/21 10:12*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/21 10:12*	*10*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-783358/1-A
Matrix: Solid
Analysis Batch: 783615

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/11/21 11:30	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/11/21 11:30	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/11/21 11:30	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/11/21 11:30	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/11/21 11:30	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/11/21 11:30	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/11/21 11:30	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/11/21 11:30	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/11/21 11:30	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/11/21 11:30	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/11/21 11:30	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/11/21 11:30*	*10*
4-Bromofluorobenzene	*87*		*76 - 120*		*06/11/21 11:30*	*10*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/11/21 11:30*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/11/21 11:30*	*10*

Lab Sample ID: LB 460-783590/1-A
Matrix: Solid
Analysis Batch: 784181

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/15/21 01:30	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/15/21 01:30	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/15/21 01:30	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/15/21 01:30	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/15/21 01:30	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/15/21 01:30	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/15/21 01:30	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/15/21 01:30	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/15/21 01:30	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/15/21 01:30	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/15/21 01:30	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*		*06/15/21 01:30*	*10*
4-Bromofluorobenzene	*119*		*76 - 120*		*06/15/21 01:30*	*10*
Dibromofluoromethane (Surr)	*119*		*77 - 124*		*06/15/21 01:30*	*10*
Toluene-d8 (Surr)	*136*	*	*80 - 120*		*06/15/21 01:30*	*10*

Lab Sample ID: LB 460-783980/1-A
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/16/21 14:48	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/16/21 14:48	10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-783980/1-A
Matrix: Solid
Analysis Batch: 784471

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0033	mg/L			06/16/21 14:48	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/16/21 14:48	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/16/21 14:48	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/16/21 14:48	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/16/21 14:48	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/16/21 14:48	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/16/21 14:48	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/16/21 14:48	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/16/21 14:48	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/16/21 14:48*	*10*
4-Bromofluorobenzene	*96*		*76 - 120*		*06/16/21 14:48*	*10*
Dibromofluoromethane (Surr)	*113*		*77 - 124*		*06/16/21 14:48*	*10*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/16/21 14:48*	*10*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-783188/1-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/09/21 10:44	06/09/21 19:21	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-783188/1-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/09/21 10:44	06/09/21 19:21	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/09/21 10:44	06/09/21 19:21	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*2.44*	*A J*	*mg/Kg*		*3.54*		*06/09/21 10:44*	*06/09/21 19:21*	*1*
n-Decane	*0.0663*	*J*	*mg/Kg*		*4.81*	*124-18-5*	*06/09/21 10:44*	*06/09/21 19:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-783188/1-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783188

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		10 - 123	06/09/21 10:44	06/09/21 19:21	1
2-Fluorobiphenyl	88		14 - 103	06/09/21 10:44	06/09/21 19:21	1
2-Fluorophenol (Surr)	92		10 - 105	06/09/21 10:44	06/09/21 19:21	1
Nitrobenzene-d5 (Surr)	86		11 - 104	06/09/21 10:44	06/09/21 19:21	1
Phenol-d5 (Surr)	87		15 - 100	06/09/21 10:44	06/09/21 19:21	1
Terphenyl-d14 (Surr)	107		12 - 126	06/09/21 10:44	06/09/21 19:21	1

Lab Sample ID: LCS 460-783188/2-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.73		mg/Kg		82	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.74		mg/Kg		82	64 - 110
1,4-Dioxane	3.33	1.52		mg/Kg		46	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.62		mg/Kg		79	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.62		mg/Kg		79	58 - 113
2,4,5-Trichlorophenol	3.33	2.70		mg/Kg		81	64 - 112
2,4,6-Trichlorophenol	3.33	2.81		mg/Kg		84	63 - 113
2,4-Dichlorophenol	3.33	2.76		mg/Kg		83	66 - 113
2,4-Dimethylphenol	3.33	2.70		mg/Kg		81	63 - 107
2,4-Dinitrophenol	6.67	4.75		mg/Kg		71	25 - 150
2,4-Dinitrotoluene	3.33	2.67		mg/Kg		80	65 - 124
2,6-Dinitrotoluene	3.33	2.70		mg/Kg		81	67 - 121
2-Chloronaphthalene	3.33	2.73		mg/Kg		82	65 - 109
2-Chlorophenol	3.33	2.74		mg/Kg		82	63 - 106
2-Methylnaphthalene	3.33	2.64		mg/Kg		79	64 - 108
2-Methylphenol	3.33	2.66		mg/Kg		80	63 - 108
2-Nitroaniline	3.33	2.71		mg/Kg		81	59 - 119
2-Nitrophenol	3.33	2.72		mg/Kg		82	64 - 112
3,3'-Dichlorobenzidine	3.33	1.54		mg/Kg		46	17 - 101
3-Nitroaniline	3.33	2.04		mg/Kg		61	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.33		mg/Kg		80	44 - 136
4-Bromophenyl phenyl ether	3.33	2.75		mg/Kg		82	67 - 113
4-Chloro-3-methylphenol	3.33	2.65		mg/Kg		80	66 - 114
4-Chloroaniline	3.33	1.72		mg/Kg		52	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.59		mg/Kg		78	66 - 110
4-Methylphenol	3.33	2.55		mg/Kg		76	61 - 108
4-Nitroaniline	3.33	2.31		mg/Kg		69	50 - 110
4-Nitrophenol	6.67	5.04		mg/Kg		76	47 - 123
Acenaphthene	3.33	2.65		mg/Kg		80	53 - 110
Acenaphthylene	3.33	2.64		mg/Kg		79	64 - 108
Acetophenone	3.33	2.46		mg/Kg		74	61 - 103
Anthracene	3.33	2.76		mg/Kg		83	67 - 114
Atrazine	1.33	1.25		mg/Kg		94	44 - 145
Benzaldehyde	1.33	1.19		mg/Kg		89	43 - 150
Benzo[a]anthracene	3.33	2.67		mg/Kg		80	67 - 115
Benzo[a]pyrene	3.33	3.30		mg/Kg		99	73 - 123

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-783188/2-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783188

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[b]fluoranthene			3.33	2.96		mg/Kg		89	70 - 125		
Benzo[g,h,i]perylene			3.33	2.70		mg/Kg		81	61 - 113		
Benzo[k]fluoranthene			3.33	3.07		mg/Kg		92	67 - 115		
Bis(2-chloroethoxy)methane			3.33	2.62		mg/Kg		79	62 - 107		
Bis(2-chloroethyl)ether			3.33	2.72		mg/Kg		82	60 - 107		
Bis(2-ethylhexyl) phthalate			3.33	2.59		mg/Kg		78	59 - 111		
Butyl benzyl phthalate			3.33	2.79		mg/Kg		84	62 - 113		
Caprolactam			1.33	1.08		mg/Kg		81	59 - 140		
Carbazole			3.33	2.60		mg/Kg		78	64 - 113		
Chrysene			3.33	2.68		mg/Kg		80	71 - 122		
Dibenz(a,h)anthracene			3.33	2.85		mg/Kg		86	66 - 119		
Dibenzofuran			3.33	2.64		mg/Kg		79	65 - 108		
Diethyl phthalate			3.33	2.43		mg/Kg		73	63 - 109		
Dimethyl phthalate			3.33	2.56		mg/Kg		77	65 - 109		
Di-n-butyl phthalate			3.33	2.53		mg/Kg		76	66 - 114		
Di-n-octyl phthalate			3.33	2.98		mg/Kg		89	65 - 122		
Fluoranthene			3.33	2.52		mg/Kg		76	61 - 106		
Fluorene			3.33	2.59		mg/Kg		78	65 - 109		
Hexachlorobenzene			3.33	2.89		mg/Kg		87	61 - 113		
Hexachlorobutadiene			3.33	2.83		mg/Kg		85	62 - 109		
Hexachlorocyclopentadiene			3.33	2.83		mg/Kg		85	42 - 118		
Hexachloroethane			3.33	2.66		mg/Kg		80	61 - 102		
Indeno[1,2,3-cd]pyrene			3.33	2.85		mg/Kg		85	62 - 121		
Isophorone			3.33	2.70		mg/Kg		81	63 - 107		
Naphthalene			3.33	2.62		mg/Kg		79	63 - 106		
Nitrobenzene			3.33	2.69		mg/Kg		81	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.60		mg/Kg		78	61 - 108		
N-Nitrosodiphenylamine			3.33	2.81		mg/Kg		84	67 - 113		
Pentachlorophenol			6.67	5.57		mg/Kg		83	44 - 126		
Phenanthrene			3.33	2.68		mg/Kg		80	66 - 112		
Phenol			3.33	2.68		mg/Kg		80	63 - 110		
Pyrene			3.33	2.93		mg/Kg		88	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*86*		*10 - 105*
Nitrobenzene-d5 (Surr)	*81*		*11 - 104*
Phenol-d5 (Surr)	*82*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: LCSD 460-783188/3-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.74		mg/Kg		82	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene			3.33	2.77		mg/Kg		83	64 - 110	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783188/3-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783188

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	3.33	1.55		mg/Kg		46	31 - 81	2	30
2,2'-oxybis[1-chloropropane]	3.33	2.64		mg/Kg		79	49 - 109	1	30
2,3,4,6-Tetrachlorophenol	3.33	2.60		mg/Kg		78	58 - 113	0	30
2,4,5-Trichlorophenol	3.33	2.73		mg/Kg		82	64 - 112	1	30
2,4,6-Trichlorophenol	3.33	2.92		mg/Kg		88	63 - 113	4	30
2,4-Dichlorophenol	3.33	2.88		mg/Kg		86	66 - 113	4	30
2,4-Dimethylphenol	3.33	2.77		mg/Kg		83	63 - 107	2	30
2,4-Dinitrophenol	6.67	4.92		mg/Kg		74	25 - 150	4	30
2,4-Dinitrotoluene	3.33	2.60		mg/Kg		78	65 - 124	3	30
2,6-Dinitrotoluene	3.33	2.72		mg/Kg		82	67 - 121	1	30
2-Chloronaphthalene	3.33	2.77		mg/Kg		83	65 - 109	2	30
2-Chlorophenol	3.33	2.79		mg/Kg		84	63 - 106	2	30
2-Methylnaphthalene	3.33	2.71		mg/Kg		81	64 - 108	2	30
2-Methylphenol	3.33	2.73		mg/Kg		82	63 - 108	2	30
2-Nitroaniline	3.33	2.71		mg/Kg		81	59 - 119	0	30
2-Nitrophenol	3.33	2.80		mg/Kg		84	64 - 112	3	30
3,3'-Dichlorobenzidine	3.33	1.58		mg/Kg		47	17 - 101	2	30
3-Nitroaniline	3.33	1.98		mg/Kg		60	31 - 102	3	30
4,6-Dinitro-2-methylphenol	6.67	5.58		mg/Kg		84	44 - 136	5	30
4-Bromophenyl phenyl ether	3.33	2.88		mg/Kg		86	67 - 113	5	30
4-Chloro-3-methylphenol	3.33	2.68		mg/Kg		80	66 - 114	1	30
4-Chloroaniline	3.33	1.59		mg/Kg		48	20 - 98	8	30
4-Chlorophenyl phenyl ether	3.33	2.56		mg/Kg		77	66 - 110	1	30
4-Methylphenol	3.33	2.55		mg/Kg		77	61 - 108	0	30
4-Nitroaniline	3.33	2.27		mg/Kg		68	50 - 110	2	30
4-Nitrophenol	6.67	5.08		mg/Kg		76	47 - 123	1	30
Acenaphthene	3.33	2.71		mg/Kg		81	53 - 110	2	30
Acenaphthylene	3.33	2.71		mg/Kg		81	64 - 108	2	30
Acetophenone	3.33	2.47		mg/Kg		74	61 - 103	1	30
Anthracene	3.33	2.75		mg/Kg		83	67 - 114	0	30
Atrazine	1.33	1.23		mg/Kg		92	44 - 145	1	30
Benzaldehyde	1.33	1.20		mg/Kg		90	43 - 150	1	30
Benzo[a]anthracene	3.33	2.69		mg/Kg		81	67 - 115	1	30
Benzo[a]pyrene	3.33	3.40		mg/Kg		102	73 - 123	3	30
Benzo[b]fluoranthene	3.33	3.05		mg/Kg		91	70 - 125	3	30
Benzo[g,h,i]perylene	3.33	2.76		mg/Kg		83	61 - 113	2	30
Benzo[k]fluoranthene	3.33	3.20		mg/Kg		96	67 - 115	4	30
Bis(2-chloroethoxy)methane	3.33	2.71		mg/Kg		81	62 - 107	3	30
Bis(2-chloroethyl)ether	3.33	2.73		mg/Kg		82	60 - 107	0	30
Bis(2-ethylhexyl) phthalate	3.33	2.62		mg/Kg		79	59 - 111	1	30
Butyl benzyl phthalate	3.33	2.77		mg/Kg		83	62 - 113	1	30
Caprolactam	1.33	1.01		mg/Kg		76	59 - 140	7	30
Carbazole	3.33	2.63		mg/Kg		79	64 - 113	1	30
Chrysene	3.33	2.65		mg/Kg		79	71 - 122	1	30
Dibenz(a,h)anthracene	3.33	2.94		mg/Kg		88	66 - 119	3	30
Dibenzofuran	3.33	2.60		mg/Kg		78	65 - 108	2	30
Diethyl phthalate	3.33	2.47		mg/Kg		74	63 - 109	1	30
Dimethyl phthalate	3.33	2.59		mg/Kg		78	65 - 109	1	30
Di-n-butyl phthalate	3.33	2.60		mg/Kg		78	66 - 114	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783188/3-A
Matrix: Solid
Analysis Batch: 783304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate			3.33	3.09		mg/Kg		93	65 - 122	4	30
Fluoranthene			3.33	2.55		mg/Kg		77	61 - 106	1	30
Fluorene			3.33	2.61		mg/Kg		78	65 - 109	1	30
Hexachlorobenzene			3.33	2.90		mg/Kg		87	61 - 113	0	30
Hexachlorobutadiene			3.33	2.89		mg/Kg		87	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.88		mg/Kg		86	42 - 118	2	30
Hexachloroethane			3.33	2.67		mg/Kg		80	61 - 102	0	30
Indeno[1,2,3-cd]pyrene			3.33	2.96		mg/Kg		89	62 - 121	4	30
Isophorone			3.33	2.78		mg/Kg		83	63 - 107	3	30
Naphthalene			3.33	2.72		mg/Kg		82	63 - 106	4	30
Nitrobenzene			3.33	2.79		mg/Kg		84	63 - 110	4	30
N-Nitrosodi-n-propylamine			3.33	2.56		mg/Kg		77	61 - 108	1	30
N-Nitrosodiphenylamine			3.33	2.94		mg/Kg		88	67 - 113	4	30
Pentachlorophenol			6.67	5.63		mg/Kg		84	44 - 126	1	30
Phenanthrene			3.33	2.72		mg/Kg		82	66 - 112	2	30
Phenol			3.33	2.72		mg/Kg		82	63 - 110	2	30
Pyrene			3.33	2.95		mg/Kg		88	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*89*		*10 - 105*
Nitrobenzene-d5 (Surr)	*85*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*97*		*12 - 126*

Lab Sample ID: MB 460-783453/1-A
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 19:01	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 19:01	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 19:01	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 19:01	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 19:01	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 19:01	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 19:01	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 19:01	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 19:01	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 19:01	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 19:01	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*109*		*33 - 150*	*06/10/21 10:13*	*06/10/21 19:01*	*1*
2-Fluorobiphenyl	*107*		*42 - 127*	*06/10/21 10:13*	*06/10/21 19:01*	*1*
2-Fluorophenol (Surr)	*57*		*18 - 72*	*06/10/21 10:13*	*06/10/21 19:01*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-783453/1-A
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783453

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	102		46 - 137	06/10/21 10:13	06/10/21 19:01	1
Phenol-d5 (Surr)	34		10 - 50	06/10/21 10:13	06/10/21 19:01	1
Terphenyl-d14 (Surr)	114		39 - 150	06/10/21 10:13	06/10/21 19:01	1

Lab Sample ID: LCS 460-783453/2-A
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0776		mg/L		97	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0811		mg/L		101	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0830		mg/L		104	66 - 117
3 & 4 Methylphenol	0.0800	0.0537		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0935		mg/L		117	68 - 134
Pyridine	0.160	0.0731		mg/L		46	13 - 71
2-Methylphenol	0.0800	0.0614		mg/L		77	48 - 88
Hexachlorobenzene	0.0800	0.0798		mg/L		100	61 - 117
Hexachlorobutadiene	0.0800	0.0894		mg/L		112	10 - 133
Hexachloroethane	0.0800	0.0800		mg/L		100	17 - 115
Nitrobenzene	0.0800	0.0903		mg/L		113	71 - 116
Pentachlorophenol	0.160	0.184		mg/L		115	54 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	104		33 - 150
2-Fluorobiphenyl	96		42 - 127
2-Fluorophenol (Surr)	51		18 - 72
Nitrobenzene-d5 (Surr)	93		46 - 137
Phenol-d5 (Surr)	32		10 - 50
Terphenyl-d14 (Surr)	98		39 - 150

Lab Sample ID: LCSD 460-783453/3-A
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783453

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0766		mg/L		96	40 - 102	1	30
2,4,5-Trichlorophenol	0.0800	0.0804		mg/L		100	63 - 112	1	30
2,4,6-Trichlorophenol	0.0800	0.0836		mg/L		104	66 - 117	1	30
3 & 4 Methylphenol	0.0800	0.0526		mg/L		66	43 - 78	2	30
2,4-Dinitrotoluene	0.0800	0.0951		mg/L		119	68 - 134	2	30
Pyridine	0.160	0.0708		mg/L		44	13 - 71	3	30
2-Methylphenol	0.0800	0.0601		mg/L		75	48 - 88	2	30
Hexachlorobenzene	0.0800	0.0786		mg/L		98	61 - 117	1	30
Hexachlorobutadiene	0.0800	0.0872		mg/L		109	10 - 133	2	30
Hexachloroethane	0.0800	0.0772		mg/L		97	17 - 115	4	30
Nitrobenzene	0.0800	0.0881		mg/L		110	71 - 116	3	30
Pentachlorophenol	0.160	0.183		mg/L		114	54 - 131	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783453/3-A
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783453

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*33 - 150*
2-Fluorobiphenyl	*97*		*42 - 127*
2-Fluorophenol (Surr)	*52*		*18 - 72*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*
Phenol-d5 (Surr)	*33*		*10 - 50*
Terphenyl-d14 (Surr)	*98*		*39 - 150*

Lab Sample ID: MB 460-783790/1-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/11/21 23:53	06/12/21 13:14	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-783790/1-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/11/21 23:53	06/12/21 13:14	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/11/21 23:53	06/12/21 13:14	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*0.803*	*A J*	*mg/Kg*		*2.61*		*06/11/21 23:53*	*06/12/21 13:14*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 123*	*06/11/21 23:53*	*06/12/21 13:14*	*1*
2-Fluorobiphenyl	*79*		*14 - 103*	*06/11/21 23:53*	*06/12/21 13:14*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*06/11/21 23:53*	*06/12/21 13:14*	*1*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*	*06/11/21 23:53*	*06/12/21 13:14*	*1*
Phenol-d5 (Surr)	*84*		*15 - 100*	*06/11/21 23:53*	*06/12/21 13:14*	*1*
Terphenyl-d14 (Surr)	*97*		*12 - 126*	*06/11/21 23:53*	*06/12/21 13:14*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-783790/2-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.72		mg/Kg		81	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	2.82		mg/Kg		85	64 - 110
1,4-Dioxane	3.33	1.92		mg/Kg		57	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.96		mg/Kg		89	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.62		mg/Kg		79	58 - 113
2,4,5-Trichlorophenol	3.33	2.85		mg/Kg		85	64 - 112
2,4,6-Trichlorophenol	3.33	2.78		mg/Kg		83	63 - 113
2,4-Dichlorophenol	3.33	2.87		mg/Kg		86	66 - 113
2,4-Dimethylphenol	3.33	2.76		mg/Kg		83	63 - 107
2,4-Dinitrophenol	6.67	5.11		mg/Kg		77	25 - 150
2,4-Dinitrotoluene	3.33	2.88		mg/Kg		86	65 - 124
2,6-Dinitrotoluene	3.33	2.92		mg/Kg		88	67 - 121
2-Chloronaphthalene	3.33	2.72		mg/Kg		82	65 - 109
2-Chlorophenol	3.33	2.78		mg/Kg		83	63 - 106
2-Methylnaphthalene	3.33	2.68		mg/Kg		81	64 - 108
2-Methylphenol	3.33	2.89		mg/Kg		87	63 - 108
2-Nitroaniline	3.33	2.36		mg/Kg		71	59 - 119
2-Nitrophenol	3.33	2.79		mg/Kg		84	64 - 112
3,3'-Dichlorobenzidine	3.33	2.23		mg/Kg		67	17 - 101
3-Nitroaniline	3.33	2.46		mg/Kg		74	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.62		mg/Kg		84	44 - 136
4-Bromophenyl phenyl ether	3.33	2.99		mg/Kg		90	67 - 113
4-Chloro-3-methylphenol	3.33	2.88		mg/Kg		87	66 - 114
4-Chloroaniline	3.33	2.20		mg/Kg		66	20 - 98
4-Chlorophenyl phenyl ether	3.33	2.81		mg/Kg		84	66 - 110
4-Methylphenol	3.33	2.71		mg/Kg		81	61 - 108
4-Nitroaniline	3.33	2.17		mg/Kg		65	50 - 110
4-Nitrophenol	6.67	4.56		mg/Kg		68	47 - 123
Acenaphthene	3.33	2.20		mg/Kg		66	53 - 110
Acenaphthylene	3.33	2.76		mg/Kg		83	64 - 108
Acetophenone	3.33	2.65		mg/Kg		80	61 - 103
Anthracene	3.33	2.79		mg/Kg		84	67 - 114
Atrazine	1.33	1.47		mg/Kg		110	44 - 145
Benzaldehyde	1.33	1.34		mg/Kg		100	43 - 150
Benzo[a]anthracene	3.33	2.84		mg/Kg		85	67 - 115
Benzo[a]pyrene	3.33	3.38		mg/Kg		101	73 - 123
Benzo[b]fluoranthene	3.33	3.05		mg/Kg		91	70 - 125
Benzo[g,h,i]perylene	3.33	3.06		mg/Kg		92	61 - 113
Benzo[k]fluoranthene	3.33	3.22		mg/Kg		97	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.81		mg/Kg		84	62 - 107
Bis(2-chloroethyl)ether	3.33	2.77		mg/Kg		83	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.74		mg/Kg		82	59 - 111
Butyl benzyl phthalate	3.33	2.76		mg/Kg		83	62 - 113
Caprolactam	1.33	1.36		mg/Kg		102	59 - 140
Carbazole	3.33	2.70		mg/Kg		81	64 - 113
Chrysene	3.33	2.78		mg/Kg		83	71 - 122
Dibenz(a,h)anthracene	3.33	3.17		mg/Kg		95	66 - 119
Dibenzofuran	3.33	2.75		mg/Kg		82	65 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-783790/2-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783790

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diethyl phthalate			3.33	2.64		mg/Kg		79	63 - 109		
Dimethyl phthalate			3.33	2.74		mg/Kg		82	65 - 109		
Di-n-butyl phthalate			3.33	2.68		mg/Kg		81	66 - 114		
Di-n-octyl phthalate			3.33	2.97		mg/Kg		89	65 - 122		
Fluoranthene			3.33	2.79		mg/Kg		84	61 - 106		
Fluorene			3.33	2.70		mg/Kg		81	65 - 109		
Hexachlorobenzene			3.33	3.13		mg/Kg		94	61 - 113		
Hexachlorobutadiene			3.33	2.98		mg/Kg		89	62 - 109		
Hexachlorocyclopentadiene			3.33	2.46		mg/Kg		74	42 - 118		
Hexachloroethane			3.33	2.69		mg/Kg		81	61 - 102		
Indeno[1,2,3-cd]pyrene			3.33	3.30		mg/Kg		99	62 - 121		
Isophorone			3.33	2.91		mg/Kg		87	63 - 107		
Naphthalene			3.33	2.72		mg/Kg		82	63 - 106		
Nitrobenzene			3.33	2.87		mg/Kg		86	63 - 110		
N-Nitrosodi-n-propylamine			3.33	2.93		mg/Kg		88	61 - 108		
N-Nitrosodiphenylamine			3.33	2.84		mg/Kg		85	67 - 113		
Pentachlorophenol			6.67	4.07		mg/Kg		61	44 - 126		
Phenanthrene			3.33	2.79		mg/Kg		84	66 - 112		
Phenol			3.33	3.04		mg/Kg		91	63 - 110		
Pyrene			3.33	2.89		mg/Kg		87	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 123*
2-Fluorobiphenyl	*86*		*14 - 103*
2-Fluorophenol (Surr)	*84*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*88*		*15 - 100*
Terphenyl-d14 (Surr)	*100*		*12 - 126*

Lab Sample ID: LCSD 460-783790/3-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783790

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.85		mg/Kg		86	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene			3.33	2.99		mg/Kg		90	64 - 110	6	30
1,4-Dioxane			3.33	1.96		mg/Kg		59	31 - 81	2	30
2,2'-oxybis[1-chloropropane]			3.33	3.02		mg/Kg		90	49 - 109	2	30
2,3,4,6-Tetrachlorophenol			3.33	2.71		mg/Kg		81	58 - 113	4	30
2,4,5-Trichlorophenol			3.33	2.80		mg/Kg		84	64 - 112	2	30
2,4,6-Trichlorophenol			3.33	2.82		mg/Kg		85	63 - 113	1	30
2,4-Dichlorophenol			3.33	2.95		mg/Kg		89	66 - 113	3	30
2,4-Dimethylphenol			3.33	2.85		mg/Kg		85	63 - 107	3	30
2,4-Dinitrophenol			6.67	5.38		mg/Kg		81	25 - 150	5	30
2,4-Dinitrotoluene			3.33	2.99		mg/Kg		90	65 - 124	4	30
2,6-Dinitrotoluene			3.33	3.01		mg/Kg		90	67 - 121	3	30
2-Chloronaphthalene			3.33	2.77		mg/Kg		83	65 - 109	2	30
2-Chlorophenol			3.33	2.87		mg/Kg		86	63 - 106	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783790/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 783840
Prep Batch: 783790

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene			3.33	2.73		mg/Kg		82	64 - 108	2	30
2-Methylphenol			3.33	3.03		mg/Kg		91	63 - 108	5	30
2-Nitroaniline			3.33	2.50		mg/Kg		75	59 - 119	6	30
2-Nitrophenol			3.33	2.85		mg/Kg		85	64 - 112	2	30
3,3'-Dichlorobenzidine			3.33	2.27		mg/Kg		68	17 - 101	2	30
3-Nitroaniline			3.33	2.53		mg/Kg		76	31 - 102	3	30
4,6-Dinitro-2-methylphenol			6.67	5.99		mg/Kg		90	44 - 136	6	30
4-Bromophenyl phenyl ether			3.33	3.08		mg/Kg		92	67 - 113	3	30
4-Chloro-3-methylphenol			3.33	3.02		mg/Kg		91	66 - 114	5	30
4-Chloroaniline			3.33	2.24		mg/Kg		67	20 - 98	2	30
4-Chlorophenyl phenyl ether			3.33	2.98		mg/Kg		89	66 - 110	6	30
4-Methylphenol			3.33	2.84		mg/Kg		85	61 - 108	5	30
4-Nitroaniline			3.33	2.26		mg/Kg		68	50 - 110	4	30
4-Nitrophenol			6.67	4.90		mg/Kg		73	47 - 123	7	30
Acenaphthene			3.33	2.30		mg/Kg		69	53 - 110	5	30
Acenaphthylene			3.33	2.82		mg/Kg		85	64 - 108	2	30
Acetophenone			3.33	2.74		mg/Kg		82	61 - 103	3	30
Anthracene			3.33	2.90		mg/Kg		87	67 - 114	4	30
Atrazine			1.33	1.45		mg/Kg		108	44 - 145	1	30
Benzaldehyde			1.33	1.35		mg/Kg		102	43 - 150	1	30
Benzo[a]anthracene			3.33	2.86		mg/Kg		86	67 - 115	1	30
Benzo[a]pyrene			3.33	3.51		mg/Kg		105	73 - 123	4	30
Benzo[b]fluoranthene			3.33	3.22		mg/Kg		97	70 - 125	5	30
Benzo[g,h,i]perylene			3.33	3.20		mg/Kg		96	61 - 113	4	30
Benzo[k]fluoranthene			3.33	3.39		mg/Kg		102	67 - 115	5	30
Bis(2-chloroethoxy)methane			3.33	2.87		mg/Kg		86	62 - 107	2	30
Bis(2-chloroethyl)ether			3.33	2.87		mg/Kg		86	60 - 107	3	30
Bis(2-ethylhexyl) phthalate			3.33	2.81		mg/Kg		84	59 - 111	3	30
Butyl benzyl phthalate			3.33	2.86		mg/Kg		86	62 - 113	3	30
Caprolactam			1.33	1.32		mg/Kg		99	59 - 140	3	30
Carbazole			3.33	2.83		mg/Kg		85	64 - 113	5	30
Chrysene			3.33	2.99		mg/Kg		90	71 - 122	7	30
Dibenz(a,h)anthracene			3.33	3.26		mg/Kg		98	66 - 119	3	30
Dibenzofuran			3.33	2.84		mg/Kg		85	65 - 108	3	30
Diethyl phthalate			3.33	2.76		mg/Kg		83	63 - 109	4	30
Dimethyl phthalate			3.33	2.85		mg/Kg		86	65 - 109	4	30
Di-n-butyl phthalate			3.33	2.84		mg/Kg		85	66 - 114	6	30
Di-n-octyl phthalate			3.33	3.13		mg/Kg		94	65 - 122	5	30
Fluoranthene			3.33	2.85		mg/Kg		86	61 - 106	2	30
Fluorene			3.33	2.78		mg/Kg		83	65 - 109	3	30
Hexachlorobenzene			3.33	3.30		mg/Kg		99	61 - 113	5	30
Hexachlorobutadiene			3.33	3.04		mg/Kg		91	62 - 109	2	30
Hexachlorocyclopentadiene			3.33	2.55		mg/Kg		76	42 - 118	4	30
Hexachloroethane			3.33	2.76		mg/Kg		83	61 - 102	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.41		mg/Kg		102	62 - 121	3	30
Isophorone			3.33	3.00		mg/Kg		90	63 - 107	3	30
Naphthalene			3.33	2.76		mg/Kg		83	63 - 106	2	30
Nitrobenzene			3.33	2.96		mg/Kg		89	63 - 110	3	30
N-Nitrosodi-n-propylamine			3.33	3.04		mg/Kg		91	61 - 108	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783790/3-A
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783790

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			3.33	2.94		mg/Kg		88	67 - 113	3	30
Pentachlorophenol			6.67	4.39		mg/Kg		66	44 - 126	8	30
Phenanthrene			3.33	2.86		mg/Kg		86	66 - 112	3	30
Phenol			3.33	3.17		mg/Kg		95	63 - 110	4	30
Pyrene			3.33	2.96		mg/Kg		89	61 - 111	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*
2-Fluorobiphenyl	*87*		*14 - 103*
2-Fluorophenol (Surr)	*88*		*10 - 105*
Nitrobenzene-d5 (Surr)	*89*		*11 - 104*
Phenol-d5 (Surr)	*91*		*15 - 100*
Terphenyl-d14 (Surr)	*104*		*12 - 126*

Lab Sample ID: 460-236101-1 MS
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: SP-2_WC-11_12_13
Prep Type: Total/NA
Prep Batch: 783790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.017	J	3.80	3.12		mg/Kg	☼	82	65 - 110
1,2,4,5-Tetrachlorobenzene	0.38	U	3.80	3.22		mg/Kg	☼	85	64 - 110
1,4-Dioxane	0.038	U	3.80	1.98		mg/Kg	☼	52	31 - 81
2,2'-oxybis[1-chloropropane]	0.38	U	3.80	3.28		mg/Kg	☼	86	49 - 109
2,3,4,6-Tetrachlorophenol	0.38	U	3.80	3.04		mg/Kg	☼	80	58 - 113
2,4,5-Trichlorophenol	0.38	U	3.80	3.20		mg/Kg	☼	84	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.80	3.18		mg/Kg	☼	84	63 - 113
2,4-Dichlorophenol	0.15	U	3.80	3.21		mg/Kg	☼	84	66 - 113
2,4-Dimethylphenol	0.38	U	3.80	3.12		mg/Kg	☼	82	63 - 107
2,4-Dinitrophenol	0.30	U	7.59	5.89		mg/Kg	☼	78	25 - 150
2,4-Dinitrotoluene	0.076	U	3.80	3.39		mg/Kg	☼	89	65 - 124
2,6-Dinitrotoluene	0.076	U	3.80	3.37		mg/Kg	☼	89	67 - 121
2-Chloronaphthalene	0.38	U	3.80	3.11		mg/Kg	☼	82	65 - 109
2-Chlorophenol	0.38	U	3.80	3.14		mg/Kg	☼	83	63 - 106
2-Methylnaphthalene	0.082	J	3.80	3.06		mg/Kg	☼	78	64 - 108
2-Methylphenol	0.38	U	3.80	3.36		mg/Kg	☼	88	63 - 108
2-Nitroaniline	0.38	U	3.80	2.87		mg/Kg	☼	76	59 - 119
2-Nitrophenol	0.38	U	3.80	3.13		mg/Kg	☼	82	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.80	2.82		mg/Kg	☼	74	17 - 101
3-Nitroaniline	0.38	U	3.80	3.00		mg/Kg	☼	79	31 - 102
4,6-Dinitro-2-methylphenol	0.30	U	7.59	6.36		mg/Kg	☼	84	44 - 136
4-Bromophenyl phenyl ether	0.38	U	3.80	3.52		mg/Kg	☼	93	67 - 113
4-Chloro-3-methylphenol	0.38	U	3.80	3.36		mg/Kg	☼	89	66 - 114
4-Chloroaniline	0.38	U	3.80	2.74		mg/Kg	☼	72	20 - 98
4-Chlorophenyl phenyl ether	0.38	U	3.80	3.33		mg/Kg	☼	88	66 - 110
4-Methylphenol	0.38	U	3.80	3.10		mg/Kg	☼	82	61 - 108
4-Nitroaniline	0.38	U	3.80	2.59		mg/Kg	☼	68	50 - 110
4-Nitrophenol	0.76	U	7.59	5.88		mg/Kg	☼	77	47 - 123
Acenaphthene	0.029	J	3.80	2.61		mg/Kg	☼	68	53 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236101-1 MS
Client Sample ID: SP-2_WC-11_12_13
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 783840
Prep Batch: 783790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	0.037	J	3.80	3.18		mg/Kg	☼	83	64 - 108
Acetophenone	0.38	U	3.80	2.98		mg/Kg	☼	78	61 - 103
Anthracene	0.090	J	3.80	3.38		mg/Kg	☼	87	67 - 114
Atrazine	0.15	U	1.52	1.69		mg/Kg	☼	111	44 - 145
Benzaldehyde	0.38	U	1.52	1.57	E	mg/Kg	☼	103	43 - 150
Benzo[a]anthracene	0.39		3.80	3.78		mg/Kg	☼	89	67 - 115
Benzo[a]pyrene	0.41		3.80	4.52		mg/Kg	☼	108	73 - 123
Benzo[b]fluoranthene	0.67		3.80	4.53		mg/Kg	☼	102	70 - 125
Benzo[g,h,i]perylene	0.29	J	3.80	4.12		mg/Kg	☼	101	61 - 113
Benzo[k]fluoranthene	0.33		3.80	4.00		mg/Kg	☼	97	67 - 115
Bis(2-chloroethoxy)methane	0.38	U	3.80	3.08		mg/Kg	☼	81	62 - 107
Bis(2-chloroethyl)ether	0.038	U	3.80	3.13		mg/Kg	☼	83	60 - 107
Bis(2-ethylhexyl) phthalate	0.38	U	3.80	3.16		mg/Kg	☼	83	59 - 111
Butyl benzyl phthalate	0.38	U	3.80	3.18		mg/Kg	☼	84	62 - 113
Caprolactam	0.38	U	1.52	1.60		mg/Kg	☼	105	59 - 140
Carbazole	0.047	J	3.80	3.22		mg/Kg	☼	83	64 - 113
Chrysene	0.42		3.80	3.66		mg/Kg	☼	85	71 - 122
Dibenz(a,h)anthracene	0.086		3.80	3.88		mg/Kg	☼	100	66 - 119
Dibenzofuran	0.058	J	3.80	3.27		mg/Kg	☼	85	65 - 108
Diethyl phthalate	0.38	U	3.80	3.16		mg/Kg	☼	83	63 - 109
Dimethyl phthalate	0.38	U	3.80	3.19		mg/Kg	☼	84	65 - 109
Di-n-butyl phthalate	0.019	J	3.80	3.24		mg/Kg	☼	85	66 - 114
Di-n-octyl phthalate	0.38	U	3.80	3.30		mg/Kg	☼	87	65 - 122
Fluoranthene	0.64		3.80	4.06		mg/Kg	☼	90	61 - 106
Fluorene	0.029	J	3.80	3.21		mg/Kg	☼	84	65 - 109
Hexachlorobenzene	0.038	U	3.80	3.57		mg/Kg	☼	94	61 - 113
Hexachlorobutadiene	0.076	U	3.80	3.17		mg/Kg	☼	83	62 - 109
Hexachlorocyclopentadiene	0.38	U	3.80	2.50		mg/Kg	☼	66	42 - 118
Hexachloroethane	0.038	U	3.80	2.89		mg/Kg	☼	76	61 - 102
Indeno[1,2,3-cd]pyrene	0.31		3.80	4.42		mg/Kg	☼	108	62 - 121
Isophorone	0.15	U	3.80	3.20		mg/Kg	☼	84	63 - 107
Naphthalene	0.086	J	3.80	3.13		mg/Kg	☼	80	63 - 106
Nitrobenzene	0.038	U	3.80	3.25		mg/Kg	☼	86	63 - 110
N-Nitrosodi-n-propylamine	0.038	U	3.80	3.28		mg/Kg	☼	86	61 - 108
N-Nitrosodiphenylamine	0.38	U	3.80	3.18		mg/Kg	☼	84	67 - 113
Pentachlorophenol	0.30	U	7.59	5.25		mg/Kg	☼	69	44 - 126
Phenanthrene	0.40		3.80	3.62		mg/Kg	☼	85	66 - 112
Phenol	0.38	U	3.80	3.44		mg/Kg	☼	91	63 - 110
Pyrene	0.63		3.80	4.06		mg/Kg	☼	90	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*83*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*86*		*15 - 100*
Terphenyl-d14 (Surr)	*99*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236101-1 MSD
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: SP-2_WC-11_12_13
Prep Type: Total/NA
Prep Batch: 783790

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.017	J	3.80	3.12		mg/Kg	☼	82	65 - 110	0	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.80	3.20		mg/Kg	☼	84	64 - 110	1	30
1,4-Dioxane	0.038	U	3.80	2.01		mg/Kg	☼	53	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.80	3.21		mg/Kg	☼	85	49 - 109	2	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.80	3.08		mg/Kg	☼	81	58 - 113	1	30
2,4,5-Trichlorophenol	0.38	U	3.80	3.20		mg/Kg	☼	84	64 - 112	0	30
2,4,6-Trichlorophenol	0.15	U	3.80	3.26		mg/Kg	☼	86	63 - 113	3	30
2,4-Dichlorophenol	0.15	U	3.80	3.26		mg/Kg	☼	86	66 - 113	1	30
2,4-Dimethylphenol	0.38	U	3.80	3.12		mg/Kg	☼	82	63 - 107	0	30
2,4-Dinitrophenol	0.30	U	7.59	5.70		mg/Kg	☼	75	25 - 150	3	30
2,4-Dinitrotoluene	0.076	U	3.80	3.31		mg/Kg	☼	87	65 - 124	3	30
2,6-Dinitrotoluene	0.076	U	3.80	3.43		mg/Kg	☼	90	67 - 121	2	30
2-Chloronaphthalene	0.38	U	3.80	3.10		mg/Kg	☼	82	65 - 109	0	30
2-Chlorophenol	0.38	U	3.80	3.08		mg/Kg	☼	81	63 - 106	2	30
2-Methylnaphthalene	0.082	J	3.80	3.04		mg/Kg	☼	78	64 - 108	1	30
2-Methylphenol	0.38	U	3.80	3.26		mg/Kg	☼	86	63 - 108	3	30
2-Nitroaniline	0.38	U	3.80	2.77		mg/Kg	☼	73	59 - 119	4	30
2-Nitrophenol	0.38	U	3.80	3.09		mg/Kg	☼	81	64 - 112	1	30
3,3'-Dichlorobenzidine	0.15	U	3.80	2.96		mg/Kg	☼	78	17 - 101	5	30
3-Nitroaniline	0.38	U	3.80	3.04		mg/Kg	☼	80	31 - 102	1	30
4,6-Dinitro-2-methylphenol	0.30	U	7.59	6.63		mg/Kg	☼	87	44 - 136	4	30
4-Bromophenyl phenyl ether	0.38	U	3.80	3.58		mg/Kg	☼	94	67 - 113	2	30
4-Chloro-3-methylphenol	0.38	U	3.80	3.34		mg/Kg	☼	88	66 - 114	1	30
4-Chloroaniline	0.38	U	3.80	2.77		mg/Kg	☼	73	20 - 98	1	30
4-Chlorophenyl phenyl ether	0.38	U	3.80	3.30		mg/Kg	☼	87	66 - 110	1	30
4-Methylphenol	0.38	U	3.80	3.08		mg/Kg	☼	81	61 - 108	1	30
4-Nitroaniline	0.38	U	3.80	2.52		mg/Kg	☼	66	50 - 110	3	30
4-Nitrophenol	0.76	U	7.59	5.89		mg/Kg	☼	78	47 - 123	0	30
Acenaphthene	0.029	J	3.80	2.55		mg/Kg	☼	67	53 - 110	2	30
Acenaphthylene	0.037	J	3.80	3.19		mg/Kg	☼	83	64 - 108	0	30
Acetophenone	0.38	U	3.80	2.98		mg/Kg	☼	78	61 - 103	0	30
Anthracene	0.090	J	3.80	3.34		mg/Kg	☼	86	67 - 114	1	30
Atrazine	0.15	U	1.52	1.69		mg/Kg	☼	111	44 - 145	0	30
Benzaldehyde	0.38	U	1.52	1.50	E	mg/Kg	☼	99	43 - 150	5	30
Benzo[a]anthracene	0.39		3.80	3.65		mg/Kg	☼	86	67 - 115	4	30
Benzo[a]pyrene	0.41		3.80	4.27		mg/Kg	☼	102	73 - 123	6	30
Benzo[b]fluoranthene	0.67		3.80	4.39		mg/Kg	☼	98	70 - 125	3	30
Benzo[g,h,i]perylene	0.29	J	3.80	4.05		mg/Kg	☼	99	61 - 113	2	30
Benzo[k]fluoranthene	0.33		3.80	3.63		mg/Kg	☼	87	67 - 115	10	30
Bis(2-chloroethoxy)methane	0.38	U	3.80	3.10		mg/Kg	☼	82	62 - 107	1	30
Bis(2-chloroethyl)ether	0.038	U	3.80	2.97		mg/Kg	☼	78	60 - 107	5	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.80	3.20		mg/Kg	☼	84	59 - 111	1	30
Butyl benzyl phthalate	0.38	U	3.80	3.28		mg/Kg	☼	86	62 - 113	3	30
Caprolactam	0.38	U	1.52	1.53		mg/Kg	☼	101	59 - 140	4	30
Carbazole	0.047	J	3.80	3.21		mg/Kg	☼	83	64 - 113	0	30
Chrysene	0.42		3.80	3.55		mg/Kg	☼	83	71 - 122	3	30
Dibenz(a,h)anthracene	0.086		3.80	3.95		mg/Kg	☼	102	66 - 119	2	30
Dibenzofuran	0.058	J	3.80	3.16		mg/Kg	☼	82	65 - 108	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236101-1 MSD
Matrix: Solid
Analysis Batch: 783840

Client Sample ID: SP-2_WC-11_12_13
Prep Type: Total/NA
Prep Batch: 783790

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate	0.38	U	3.80	3.13		mg/Kg	☼	82	63 - 109	1	30
Dimethyl phthalate	0.38	U	3.80	3.17		mg/Kg	☼	84	65 - 109	1	30
Di-n-butyl phthalate	0.019	J	3.80	3.27		mg/Kg	☼	85	66 - 114	1	30
Di-n-octyl phthalate	0.38	U	3.80	3.27		mg/Kg	☼	86	65 - 122	1	30
Fluoranthene	0.64		3.80	3.65		mg/Kg	☼	79	61 - 106	11	30
Fluorene	0.029	J	3.80	3.13		mg/Kg	☼	82	65 - 109	2	30
Hexachlorobenzene	0.038	U	3.80	3.71		mg/Kg	☼	98	61 - 113	4	30
Hexachlorobutadiene	0.076	U	3.80	3.24		mg/Kg	☼	85	62 - 109	2	30
Hexachlorocyclopentadiene	0.38	U	3.80	2.44		mg/Kg	☼	64	42 - 118	3	30
Hexachloroethane	0.038	U	3.80	2.88		mg/Kg	☼	76	61 - 102	0	30
Indeno[1,2,3-cd]pyrene	0.31		3.80	4.40		mg/Kg	☼	108	62 - 121	0	30
Isophorone	0.15	U	3.80	3.24		mg/Kg	☼	85	63 - 107	1	30
Naphthalene	0.086	J	3.80	3.06		mg/Kg	☼	78	63 - 106	2	30
Nitrobenzene	0.038	U	3.80	3.24		mg/Kg	☼	85	63 - 110	0	30
N-Nitrosodi-n-propylamine	0.038	U	3.80	3.26		mg/Kg	☼	86	61 - 108	0	30
N-Nitrosodiphenylamine	0.38	U	3.80	3.37		mg/Kg	☼	89	67 - 113	6	30
Pentachlorophenol	0.30	U	7.59	5.23		mg/Kg	☼	69	44 - 126	0	30
Phenanthrene	0.40		3.80	3.44		mg/Kg	☼	80	66 - 112	5	30
Phenol	0.38	U	3.80	3.42		mg/Kg	☼	90	63 - 110	0	30
Pyrene	0.63		3.80	3.69		mg/Kg	☼	81	61 - 111	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*83*		*14 - 103*
2-Fluorophenol (Surr)	*81*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*85*		*15 - 100*
Terphenyl-d14 (Surr)	*101*		*12 - 126*

Lab Sample ID: MB 460-783920/1-A
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/13/21 16:28	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/13/21 16:28	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/13/21 16:28	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/13/21 16:28	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/13/21 16:28	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/13/21 16:28	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/13/21 16:28	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/13/21 16:28	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/13/21 16:28	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/13/21 16:28	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/13/21 16:28	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/13/21 16:28	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-783920/1-A
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783920

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		33 - 150	06/13/21 07:54	06/13/21 16:28	1
2-Fluorobiphenyl	101		42 - 127	06/13/21 07:54	06/13/21 16:28	1
2-Fluorophenol (Surr)	50		18 - 72	06/13/21 07:54	06/13/21 16:28	1
Nitrobenzene-d5 (Surr)	99		46 - 137	06/13/21 07:54	06/13/21 16:28	1
Phenol-d5 (Surr)	31		10 - 50	06/13/21 07:54	06/13/21 16:28	1
Terphenyl-d14 (Surr)	112		39 - 150	06/13/21 07:54	06/13/21 16:28	1

Lab Sample ID: LCS 460-783920/2-A
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0740		mg/L		92	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0762		mg/L		95	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0783		mg/L		98	66 - 117
3 & 4 Methylphenol	0.0800	0.0523		mg/L		65	43 - 78
2,4-Dinitrotoluene	0.0800	0.0874		mg/L		109	68 - 134
Pyridine	0.160	0.0685		mg/L		43	13 - 71
2-Methylphenol	0.0800	0.0588		mg/L		73	48 - 88
Hexachlorobenzene	0.0800	0.0794		mg/L		99	61 - 117
Hexachlorobutadiene	0.0800	0.0865		mg/L		108	10 - 133
Hexachloroethane	0.0800	0.0734		mg/L		92	17 - 115
Nitrobenzene	0.0800	0.0842		mg/L		105	71 - 116
Pentachlorophenol	0.160	0.172		mg/L		108	54 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	100		33 - 150
2-Fluorobiphenyl	94		42 - 127
2-Fluorophenol (Surr)	50		18 - 72
Nitrobenzene-d5 (Surr)	92		46 - 137
Phenol-d5 (Surr)	32		10 - 50
Terphenyl-d14 (Surr)	102		39 - 150

Lab Sample ID: LCSD 460-783920/3-A
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0734		mg/L		92	40 - 102	1	30
2,4,5-Trichlorophenol	0.0800	0.0761		mg/L		95	63 - 112	0	30
2,4,6-Trichlorophenol	0.0800	0.0774		mg/L		97	66 - 117	1	30
3 & 4 Methylphenol	0.0800	0.0531		mg/L		66	43 - 78	2	30
2,4-Dinitrotoluene	0.0800	0.0880		mg/L		110	68 - 134	1	30
Pyridine	0.160	0.0731		mg/L		46	13 - 71	6	30
2-Methylphenol	0.0800	0.0583		mg/L		73	48 - 88	1	30
Hexachlorobenzene	0.0800	0.0791		mg/L		99	61 - 117	0	30
Hexachlorobutadiene	0.0800	0.0843		mg/L		105	10 - 133	2	30
Hexachloroethane	0.0800	0.0736		mg/L		92	17 - 115	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-783920/3-A
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783920

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene			0.0800	0.0865		mg/L		108	71 - 116	3	30
Pentachlorophenol			0.160	0.171		mg/L		107	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*33 - 150*
2-Fluorobiphenyl	*93*		*42 - 127*
2-Fluorophenol (Surr)	*51*		*18 - 72*
Nitrobenzene-d5 (Surr)	*91*		*46 - 137*
Phenol-d5 (Surr)	*33*		*10 - 50*
Terphenyl-d14 (Surr)	*102*		*39 - 150*

Lab Sample ID: MB 460-783923/1-A
Matrix: Solid
Analysis Batch: 783960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 08:05	06/13/21 16:32	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 08:05	06/13/21 16:32	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 08:05	06/13/21 16:32	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 08:05	06/13/21 16:32	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 08:05	06/13/21 16:32	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 08:05	06/13/21 16:32	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 08:05	06/13/21 16:32	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 08:05	06/13/21 16:32	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 08:05	06/13/21 16:32	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 08:05	06/13/21 16:32	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 08:05	06/13/21 16:32	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 08:05	06/13/21 16:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 150*	*06/13/21 08:05*	*06/13/21 16:32*	*1*
2-Fluorobiphenyl	*74*		*42 - 127*	*06/13/21 08:05*	*06/13/21 16:32*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*06/13/21 08:05*	*06/13/21 16:32*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*	*06/13/21 08:05*	*06/13/21 16:32*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*06/13/21 08:05*	*06/13/21 16:32*	*1*
Terphenyl-d14 (Surr)	*107*		*39 - 150*	*06/13/21 08:05*	*06/13/21 16:32*	*1*

Lab Sample ID: LCS 460-783923/2-A
Matrix: Solid
Analysis Batch: 783960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783923

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0800	0.0444		mg/L		55	40 - 102		
2,4,5-Trichlorophenol			0.0800	0.0738		mg/L		92	63 - 112		
2,4,6-Trichlorophenol			0.0800	0.0763		mg/L		95	66 - 117		
3 & 4 Methylphenol			0.0800	0.0581		mg/L		73	43 - 78		
2,4-Dinitrotoluene			0.0800	0.0764		mg/L		95	68 - 134		
Pyridine			0.160	0.0463		mg/L		29	13 - 71		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-783923/2-A
Matrix: Solid
Analysis Batch: 783960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.0800	0.0585		mg/L		73	48 - 88
Hexachlorobenzene	0.0800	0.0799		mg/L		100	61 - 117
Hexachlorobutadiene	0.0800	0.0536		mg/L		67	10 - 133
Hexachloroethane	0.0800	0.0484		mg/L		61	17 - 115
Nitrobenzene	0.0800	0.0803		mg/L		100	71 - 116
Pentachlorophenol	0.160	0.172		mg/L		108	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*33 - 150*
2-Fluorobiphenyl	*89*		*42 - 127*
2-Fluorophenol (Surr)	*52*		*18 - 72*
Nitrobenzene-d5 (Surr)	*103*		*46 - 137*
Phenol-d5 (Surr)	*36*		*10 - 50*
Terphenyl-d14 (Surr)	*121*		*39 - 150*

Lab Sample ID: LCSD 460-783923/3-A
Matrix: Solid
Analysis Batch: 783960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0457		mg/L		57	40 - 102	3	30
2,4,5-Trichlorophenol	0.0800	0.0722		mg/L		90	63 - 112	2	30
2,4,6-Trichlorophenol	0.0800	0.0726		mg/L		91	66 - 117	5	30
3 & 4 Methylphenol	0.0800	0.0530		mg/L		66	43 - 78	9	30
2,4-Dinitrotoluene	0.0800	0.0743		mg/L		93	68 - 134	3	30
Pyridine	0.160	0.0281	*	mg/L		18	13 - 71	49	30
2-Methylphenol	0.0800	0.0598		mg/L		75	48 - 88	2	30
Hexachlorobenzene	0.0800	0.0790		mg/L		99	61 - 117	1	30
Hexachlorobutadiene	0.0800	0.0549		mg/L		69	10 - 133	2	30
Hexachloroethane	0.0800	0.0487		mg/L		61	17 - 115	1	30
Nitrobenzene	0.0800	0.0810		mg/L		101	71 - 116	1	30
Pentachlorophenol	0.160	0.171		mg/L		107	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*33 - 150*
2-Fluorobiphenyl	*84*		*42 - 127*
2-Fluorophenol (Surr)	*54*		*18 - 72*
Nitrobenzene-d5 (Surr)	*103*		*46 - 137*
Phenol-d5 (Surr)	*38*		*10 - 50*
Terphenyl-d14 (Surr)	*120*		*39 - 150*

Lab Sample ID: MB 460-784045/1-A
Matrix: Solid
Analysis Batch: 784148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/14/21 09:03	06/14/21 22:50	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/14/21 09:03	06/14/21 22:50	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-784045/1-A
Matrix: Solid
Analysis Batch: 784148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/14/21 09:03	06/14/21 22:50	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/14/21 09:03	06/14/21 22:50	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/14/21 09:03	06/14/21 22:50	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/14/21 09:03	06/14/21 22:50	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/14/21 09:03	06/14/21 22:50	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/14/21 09:03	06/14/21 22:50	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/14/21 09:03	06/14/21 22:50	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/14/21 09:03	06/14/21 22:50	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/14/21 09:03	06/14/21 22:50	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/14/21 09:03	06/14/21 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*33 - 150*	*06/14/21 09:03*	*06/14/21 22:50*	*1*
2-Fluorobiphenyl	*38*	*	*42 - 127*	*06/14/21 09:03*	*06/14/21 22:50*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*06/14/21 09:03*	*06/14/21 22:50*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 137*	*06/14/21 09:03*	*06/14/21 22:50*	*1*
Phenol-d5 (Surr)	*25*		*10 - 50*	*06/14/21 09:03*	*06/14/21 22:50*	*1*
Terphenyl-d14 (Surr)	*122*		*39 - 150*	*06/14/21 09:03*	*06/14/21 22:50*	*1*

Lab Sample ID: LCS 460-784045/2-A
Matrix: Solid
Analysis Batch: 784148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0816		mg/L		102	40 - 102
2,4,5-Trichlorophenol	0.0800	0.0766		mg/L		96	63 - 112
2,4,6-Trichlorophenol	0.0800	0.0816		mg/L		102	66 - 117
3 & 4 Methylphenol	0.0800	0.0539		mg/L		67	43 - 78
2,4-Dinitrotoluene	0.0800	0.0770		mg/L		96	68 - 134
Pyridine	0.160	0.0908		mg/L		57	13 - 71
2-Methylphenol	0.0800	0.0597		mg/L		75	48 - 88
Hexachlorobenzene	0.0800	0.0820		mg/L		103	61 - 117
Hexachlorobutadiene	0.0800	0.0888		mg/L		111	10 - 133
Hexachloroethane	0.0800	0.0845		mg/L		106	17 - 115
Nitrobenzene	0.0800	0.0798		mg/L		100	71 - 116
Pentachlorophenol	0.160	0.142		mg/L		89	54 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 150*
2-Fluorobiphenyl	*101*		*42 - 127*
2-Fluorophenol (Surr)	*64*		*18 - 72*
Nitrobenzene-d5 (Surr)	*113*		*46 - 137*
Phenol-d5 (Surr)	*40*		*10 - 50*
Terphenyl-d14 (Surr)	*121*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-784045/3-A
Matrix: Solid
Analysis Batch: 784148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784045

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0822	*	mg/L		103	40 - 102	1	30
2,4,5-Trichlorophenol			0.0800	0.0793		mg/L		99	63 - 112	3	30
2,4,6-Trichlorophenol			0.0800	0.0828		mg/L		103	66 - 117	1	30
3 & 4 Methylphenol			0.0800	0.0548		mg/L		68	43 - 78	2	30
2,4-Dinitrotoluene			0.0800	0.0786		mg/L		98	68 - 134	2	30
Pyridine			0.160	0.0900		mg/L		56	13 - 71	1	30
2-Methylphenol			0.0800	0.0615		mg/L		77	48 - 88	3	30
Hexachlorobenzene			0.0800	0.0803		mg/L		100	61 - 117	2	30
Hexachlorobutadiene			0.0800	0.0884		mg/L		111	10 - 133	0	30
Hexachloroethane			0.0800	0.0848		mg/L		106	17 - 115	0	30
Nitrobenzene			0.0800	0.0807		mg/L		101	71 - 116	1	30
Pentachlorophenol			0.160	0.140		mg/L		88	54 - 131	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*33 - 150*
2-Fluorobiphenyl	*102*		*42 - 127*
2-Fluorophenol (Surr)	*65*		*18 - 72*
Nitrobenzene-d5 (Surr)	*111*		*46 - 137*
Phenol-d5 (Surr)	*41*		*10 - 50*
Terphenyl-d14 (Surr)	*119*		*39 - 150*

Lab Sample ID: MB 460-784053/1-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/14/21 09:30	06/14/21 18:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-784053/1-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 09:30	06/14/21 18:37	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/14/21 09:30	06/14/21 18:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-784053/1-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784053

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Aldol condensation product	0.711	A J	mg/Kg		2.61		06/14/21 09:30	06/14/21 18:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		10 - 123	06/14/21 09:30	06/14/21 18:37	1
2-Fluorobiphenyl	85		14 - 103	06/14/21 09:30	06/14/21 18:37	1
2-Fluorophenol (Surr)	84		10 - 105	06/14/21 09:30	06/14/21 18:37	1
Nitrobenzene-d5 (Surr)	87		11 - 104	06/14/21 09:30	06/14/21 18:37	1
Phenol-d5 (Surr)	89		15 - 100	06/14/21 09:30	06/14/21 18:37	1
Terphenyl-d14 (Surr)	103		12 - 126	06/14/21 09:30	06/14/21 18:37	1

Lab Sample ID: LCS 460-784053/2-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.86		mg/Kg		86	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.05		mg/Kg		91	64 - 110
1,4-Dioxane	3.33	2.28		mg/Kg		68	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	3.30		mg/Kg		99	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.68		mg/Kg		80	58 - 113
2,4,5-Trichlorophenol	3.33	2.79		mg/Kg		84	64 - 112
2,4,6-Trichlorophenol	3.33	2.83		mg/Kg		85	63 - 113
2,4-Dichlorophenol	3.33	3.11		mg/Kg		93	66 - 113
2,4-Dimethylphenol	3.33	3.00		mg/Kg		90	63 - 107
2,4-Dinitrophenol	6.67	3.94		mg/Kg		59	25 - 150
2,4-Dinitrotoluene	3.33	2.94		mg/Kg		88	65 - 124
2,6-Dinitrotoluene	3.33	2.97		mg/Kg		89	67 - 121
2-Chloronaphthalene	3.33	2.90		mg/Kg		87	65 - 109
2-Chlorophenol	3.33	3.04		mg/Kg		91	63 - 106
2-Methylnaphthalene	3.33	2.86		mg/Kg		86	64 - 108
2-Methylphenol	3.33	3.18		mg/Kg		95	63 - 108
2-Nitroaniline	3.33	2.18		mg/Kg		66	59 - 119
2-Nitrophenol	3.33	3.00		mg/Kg		90	64 - 112
3,3'-Dichlorobenzidine	3.33	1.75		mg/Kg		52	17 - 101
3-Nitroaniline	3.33	2.39		mg/Kg		72	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.25		mg/Kg		79	44 - 136
4-Bromophenyl phenyl ether	3.33	3.12		mg/Kg		94	67 - 113
4-Chloro-3-methylphenol	3.33	3.00		mg/Kg		90	66 - 114
4-Chloroaniline	3.33	2.03		mg/Kg		61	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.07		mg/Kg		92	66 - 110
4-Methylphenol	3.33	2.94		mg/Kg		88	61 - 108
4-Nitroaniline	3.33	2.26		mg/Kg		68	50 - 110
4-Nitrophenol	6.67	4.26		mg/Kg		64	47 - 123
Acenaphthene	3.33	2.31		mg/Kg		69	53 - 110
Acenaphthylene	3.33	2.88		mg/Kg		86	64 - 108
Acetophenone	3.33	2.95		mg/Kg		88	61 - 103
Anthracene	3.33	2.82		mg/Kg		85	67 - 114
Atrazine	1.33	2.13	*	mg/Kg		159	44 - 145

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-784053/2-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	1.33	2.13	*	mg/Kg		160	43 - 150
Benzo[a]anthracene	3.33	2.75		mg/Kg		83	67 - 115
Benzo[a]pyrene	3.33	3.39		mg/Kg		102	73 - 123
Benzo[b]fluoranthene	3.33	3.31		mg/Kg		99	70 - 125
Benzo[g,h,i]perylene	3.33	2.91		mg/Kg		87	61 - 113
Benzo[k]fluoranthene	3.33	3.15		mg/Kg		95	67 - 115
Bis(2-chloroethoxy)methane	3.33	3.02		mg/Kg		91	62 - 107
Bis(2-chloroethyl)ether	3.33	3.15		mg/Kg		94	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.60		mg/Kg		78	59 - 111
Butyl benzyl phthalate	3.33	2.75		mg/Kg		82	62 - 113
Caprolactam	1.33	1.80		mg/Kg		135	59 - 140
Carbazole	3.33	2.68		mg/Kg		80	64 - 113
Chrysene	3.33	2.86		mg/Kg		86	71 - 122
Dibenz(a,h)anthracene	3.33	3.06		mg/Kg		92	66 - 119
Dibenzofuran	3.33	2.84		mg/Kg		85	65 - 108
Diethyl phthalate	3.33	2.75		mg/Kg		82	63 - 109
Dimethyl phthalate	3.33	2.84		mg/Kg		85	65 - 109
Di-n-butyl phthalate	3.33	2.66		mg/Kg		80	66 - 114
Di-n-octyl phthalate	3.33	2.87		mg/Kg		86	65 - 122
Fluoranthene	3.33	2.79		mg/Kg		84	61 - 106
Fluorene	3.33	2.82		mg/Kg		85	65 - 109
Hexachlorobenzene	3.33	3.27		mg/Kg		98	61 - 113
Hexachlorobutadiene	3.33	3.37		mg/Kg		101	62 - 109
Hexachlorocyclopentadiene	3.33	2.80		mg/Kg		84	42 - 118
Hexachloroethane	3.33	3.05		mg/Kg		91	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.13		mg/Kg		94	62 - 121
Isophorone	3.33	3.12		mg/Kg		94	63 - 107
Naphthalene	3.33	2.98		mg/Kg		90	63 - 106
Nitrobenzene	3.33	3.18		mg/Kg		95	63 - 110
N-Nitrosodi-n-propylamine	3.33	3.16		mg/Kg		95	61 - 108
N-Nitrosodiphenylamine	3.33	2.88		mg/Kg		86	67 - 113
Pentachlorophenol	6.67	4.23		mg/Kg		63	44 - 126
Phenanthrene	3.33	2.81		mg/Kg		84	66 - 112
Phenol	3.33	3.28		mg/Kg		98	63 - 110
Pyrene	3.33	2.90		mg/Kg		87	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*86*		*10 - 105*
Nitrobenzene-d5 (Surr)	*87*		*11 - 104*
Phenol-d5 (Surr)	*88*		*15 - 100*
Terphenyl-d14 (Surr)	*98*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-784053/3-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784053

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.87		mg/Kg		86	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene			3.33	2.97		mg/Kg		89	64 - 110	3	30
1,4-Dioxane			3.33	1.81		mg/Kg		54	31 - 81	23	30
2,2'-oxybis[1-chloropropane]			3.33	3.11		mg/Kg		93	49 - 109	6	30
2,3,4,6-Tetrachlorophenol			3.33	2.77		mg/Kg		83	58 - 113	3	30
2,4,5-Trichlorophenol			3.33	2.91		mg/Kg		87	64 - 112	4	30
2,4,6-Trichlorophenol			3.33	2.87		mg/Kg		86	63 - 113	1	30
2,4-Dichlorophenol			3.33	3.04		mg/Kg		91	66 - 113	2	30
2,4-Dimethylphenol			3.33	2.93		mg/Kg		88	63 - 107	2	30
2,4-Dinitrophenol			6.67	4.47		mg/Kg		67	25 - 150	12	30
2,4-Dinitrotoluene			3.33	2.99		mg/Kg		90	65 - 124	2	30
2,6-Dinitrotoluene			3.33	2.96		mg/Kg		89	67 - 121	0	30
2-Chloronaphthalene			3.33	2.86		mg/Kg		86	65 - 109	1	30
2-Chlorophenol			3.33	2.93		mg/Kg		88	63 - 106	4	30
2-Methylnaphthalene			3.33	2.80		mg/Kg		84	64 - 108	2	30
2-Methylphenol			3.33	2.94		mg/Kg		88	63 - 108	8	30
2-Nitroaniline			3.33	2.37		mg/Kg		71	59 - 119	8	30
2-Nitrophenol			3.33	2.90		mg/Kg		87	64 - 112	3	30
3,3'-Dichlorobenzidine			3.33	2.06		mg/Kg		62	17 - 101	16	30
3-Nitroaniline			3.33	2.55		mg/Kg		77	31 - 102	7	30
4,6-Dinitro-2-methylphenol			6.67	5.50		mg/Kg		83	44 - 136	5	30
4-Bromophenyl phenyl ether			3.33	3.07		mg/Kg		92	67 - 113	2	30
4-Chloro-3-methylphenol			3.33	2.97		mg/Kg		89	66 - 114	1	30
4-Chloroaniline			3.33	2.26		mg/Kg		68	20 - 98	11	30
4-Chlorophenyl phenyl ether			3.33	3.05		mg/Kg		91	66 - 110	1	30
4-Methylphenol			3.33	2.79		mg/Kg		84	61 - 108	5	30
4-Nitroaniline			3.33	2.35		mg/Kg		71	50 - 110	4	30
4-Nitrophenol			6.67	4.58		mg/Kg		69	47 - 123	7	30
Acenaphthene			3.33	2.31		mg/Kg		69	53 - 110	0	30
Acenaphthylene			3.33	2.83		mg/Kg		85	64 - 108	2	30
Acetophenone			3.33	2.78		mg/Kg		83	61 - 103	6	30
Anthracene			3.33	2.80		mg/Kg		84	67 - 114	1	30
Atrazine			1.33	2.10	*	mg/Kg		158	44 - 145	1	30
Benzaldehyde			1.33	1.97		mg/Kg		148	43 - 150	8	30
Benzo[a]anthracene			3.33	2.82		mg/Kg		85	67 - 115	2	30
Benzo[a]pyrene			3.33	3.42		mg/Kg		103	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.28		mg/Kg		98	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.13		mg/Kg		94	61 - 113	8	30
Benzo[k]fluoranthene			3.33	3.13		mg/Kg		94	67 - 115	1	30
Bis(2-chloroethoxy)methane			3.33	2.93		mg/Kg		88	62 - 107	3	30
Bis(2-chloroethyl)ether			3.33	2.99		mg/Kg		90	60 - 107	5	30
Bis(2-ethylhexyl) phthalate			3.33	2.73		mg/Kg		82	59 - 111	5	30
Butyl benzyl phthalate			3.33	2.69		mg/Kg		81	62 - 113	2	30
Caprolactam			1.33	1.84		mg/Kg		138	59 - 140	2	30
Carbazole			3.33	2.71		mg/Kg		81	64 - 113	1	30
Chrysene			3.33	2.92		mg/Kg		88	71 - 122	2	30
Dibenz(a,h)anthracene			3.33	3.23		mg/Kg		97	66 - 119	6	30
Dibenzofuran			3.33	2.86		mg/Kg		86	65 - 108	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-784053/3-A
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784053

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			3.33	2.79		mg/Kg		84	63 - 109	2	30
Dimethyl phthalate			3.33	2.88		mg/Kg		86	65 - 109	1	30
Di-n-butyl phthalate			3.33	2.74		mg/Kg		82	66 - 114	3	30
Di-n-octyl phthalate			3.33	2.90		mg/Kg		87	65 - 122	1	30
Fluoranthene			3.33	2.83		mg/Kg		85	61 - 106	2	30
Fluorene			3.33	2.83		mg/Kg		85	65 - 109	0	30
Hexachlorobenzene			3.33	3.27		mg/Kg		98	61 - 113	0	30
Hexachlorobutadiene			3.33	3.15		mg/Kg		95	62 - 109	7	30
Hexachlorocyclopentadiene			3.33	2.76		mg/Kg		83	42 - 118	2	30
Hexachloroethane			3.33	2.82		mg/Kg		84	61 - 102	8	30
Indeno[1,2,3-cd]pyrene			3.33	3.34		mg/Kg		100	62 - 121	7	30
Isophorone			3.33	3.03		mg/Kg		91	63 - 107	3	30
Naphthalene			3.33	2.85		mg/Kg		86	63 - 106	4	30
Nitrobenzene			3.33	3.06		mg/Kg		92	63 - 110	4	30
N-Nitrosodi-n-propylamine			3.33	3.08		mg/Kg		92	61 - 108	3	30
N-Nitrosodiphenylamine			3.33	2.84		mg/Kg		85	67 - 113	1	30
Pentachlorophenol			6.67	4.40		mg/Kg		66	44 - 126	4	30
Phenanthrene			3.33	2.81		mg/Kg		84	66 - 112	0	30
Phenol			3.33	3.20		mg/Kg		96	63 - 110	2	30
Pyrene			3.33	2.83		mg/Kg		85	61 - 111	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 123*
2-Fluorobiphenyl	*85*		*14 - 103*
2-Fluorophenol (Surr)	*78*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*84*		*15 - 100*
Terphenyl-d14 (Surr)	*95*		*12 - 126*

Lab Sample ID: 460-236236-A-2-I MS
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.36	U	3.68	2.81		mg/Kg	☼	76	65 - 110
1,2,4,5-Tetrachlorobenzene	0.36	U	3.68	2.96		mg/Kg	☼	80	64 - 110
1,4-Dioxane	0.036	U	3.68	1.97		mg/Kg	☼	53	31 - 81
2,2'-oxybis[1-chloropropane]	0.36	U	3.68	3.02		mg/Kg	☼	82	49 - 109
2,3,4,6-Tetrachlorophenol	0.36	U	3.68	1.55	*	mg/Kg	☼	42	58 - 113
2,4,5-Trichlorophenol	0.36	U	3.68	1.79	*	mg/Kg	☼	48	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.68	1.77	*	mg/Kg	☼	48	63 - 113
2,4-Dichlorophenol	0.15	U	3.68	1.54	*	mg/Kg	☼	42	66 - 113
2,4-Dimethylphenol	0.36	U	3.68	2.76		mg/Kg	☼	75	63 - 107
2,4-Dinitrophenol	0.29	U	7.37	0.29	U *	mg/Kg	☼	0	25 - 150
2,4-Dinitrotoluene	0.074	U	3.68	2.78		mg/Kg	☼	76	65 - 124
2,6-Dinitrotoluene	0.074	U	3.68	2.99		mg/Kg	☼	81	67 - 121
2-Chloronaphthalene	0.36	U	3.68	2.81		mg/Kg	☼	76	65 - 109
2-Chlorophenol	0.36	U	3.68	1.30	*	mg/Kg	☼	35	63 - 106

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236236-A-2-I MS
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.36	U	3.68	2.81		mg/Kg	☼	76	64 - 108
2-Methylphenol	0.36	U	3.68	2.86		mg/Kg	☼	78	63 - 108
2-Nitroaniline	0.36	U	3.68	2.25		mg/Kg	☼	61	59 - 119
2-Nitrophenol	0.36	U	3.68	1.00	*	mg/Kg	☼	27	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.68	2.73		mg/Kg	☼	74	17 - 101
3-Nitroaniline	0.36	U	3.68	2.70		mg/Kg	☼	73	31 - 102
4,6-Dinitro-2-methylphenol	0.29	U	7.37	0.29	U *	mg/Kg	☼	0	44 - 136
4-Bromophenyl phenyl ether	0.36	U	3.68	3.11		mg/Kg	☼	84	67 - 113
4-Chloro-3-methylphenol	0.36	U	3.68	2.66		mg/Kg	☼	72	66 - 114
4-Chloroaniline	0.36	U	3.68	2.78		mg/Kg	☼	76	20 - 98
4-Chlorophenyl phenyl ether	0.36	U	3.68	2.97		mg/Kg	☼	81	66 - 110
4-Methylphenol	0.36	U	3.68	2.60		mg/Kg	☼	71	61 - 108
4-Nitroaniline	0.36	U	3.68	2.29		mg/Kg	☼	62	50 - 110
4-Nitrophenol	0.74	U	7.37	1.20	*	mg/Kg	☼	16	47 - 123
Acenaphthene	0.36	U	3.68	2.26		mg/Kg	☼	61	53 - 110
Acenaphthylene	0.36	U	3.68	2.78		mg/Kg	☼	76	64 - 108
Acetophenone	0.36	U	3.68	2.70		mg/Kg	☼	73	61 - 103
Anthracene	0.36	U	3.68	2.85		mg/Kg	☼	77	67 - 114
Atrazine	0.15	U *	1.47	2.04		mg/Kg	☼	139	44 - 145
Benzaldehyde	0.36	U *	1.47	1.40	E	mg/Kg	☼	95	43 - 150
Benzo[a]anthracene	0.036	U	3.68	2.70		mg/Kg	☼	73	67 - 115
Benzo[a]pyrene	0.036	U	3.68	3.40		mg/Kg	☼	92	73 - 123
Benzo[b]fluoranthene	0.036	U	3.68	3.30		mg/Kg	☼	89	70 - 125
Benzo[g,h,i]perylene	0.36	U	3.68	3.01		mg/Kg	☼	82	61 - 113
Benzo[k]fluoranthene	0.036	U	3.68	3.16		mg/Kg	☼	86	67 - 115
Bis(2-chloroethoxy)methane	0.36	U	3.68	2.90		mg/Kg	☼	79	62 - 107
Bis(2-chloroethyl)ether	0.036	U	3.68	2.88		mg/Kg	☼	78	60 - 107
Bis(2-ethylhexyl) phthalate	0.36	U	3.68	2.51		mg/Kg	☼	68	59 - 111
Butyl benzyl phthalate	0.36	U	3.68	2.45		mg/Kg	☼	66	62 - 113
Caprolactam	0.36	U	1.47	1.89		mg/Kg	☼	129	59 - 140
Carbazole	0.36	U	3.68	2.69		mg/Kg	☼	73	64 - 113
Chrysene	0.36	U	3.68	2.83		mg/Kg	☼	77	71 - 122
Dibenz(a,h)anthracene	0.036	U	3.68	3.10		mg/Kg	☼	84	66 - 119
Dibenzofuran	0.36	U	3.68	2.87		mg/Kg	☼	78	65 - 108
Diethyl phthalate	0.36	U	3.68	2.64		mg/Kg	☼	72	63 - 109
Dimethyl phthalate	0.36	U	3.68	2.54		mg/Kg	☼	69	65 - 109
Di-n-butyl phthalate	0.36	U	3.68	2.62		mg/Kg	☼	71	66 - 114
Di-n-octyl phthalate	0.36	U	3.68	2.86		mg/Kg	☼	78	65 - 122
Fluoranthene	0.36	U	3.68	2.81		mg/Kg	☼	76	61 - 106
Fluorene	0.36	U	3.68	2.78		mg/Kg	☼	75	65 - 109
Hexachlorobenzene	0.036	U	3.68	3.24		mg/Kg	☼	88	61 - 113
Hexachlorobutadiene	0.074	U	3.68	3.27		mg/Kg	☼	89	62 - 109
Hexachlorocyclopentadiene	0.36	U	3.68	0.919	*	mg/Kg	☼	25	42 - 118
Hexachloroethane	0.036	U	3.68	2.63		mg/Kg	☼	71	61 - 102
Indeno[1,2,3-cd]pyrene	0.036	U	3.68	3.40		mg/Kg	☼	92	62 - 121
Isophorone	0.15	U	3.68	3.00		mg/Kg	☼	81	63 - 107
Naphthalene	0.36	U	3.68	2.84		mg/Kg	☼	77	63 - 106
Nitrobenzene	0.036	U	3.68	2.99		mg/Kg	☼	81	63 - 110
N-Nitrosodi-n-propylamine	0.036	U	3.68	3.00		mg/Kg	☼	81	61 - 108

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236236-A-2-I MS
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	0.36	U	3.68	2.80		mg/Kg	☼	76	67 - 113
Pentachlorophenol	0.29	U	7.37	0.658	*	mg/Kg	☼	9	44 - 126
Phenanthrene	0.36	U	3.68	2.80		mg/Kg	☼	76	66 - 112
Phenol	0.36	U	3.68	2.70		mg/Kg	☼	73	63 - 110
Pyrene	0.36	U	3.68	2.79		mg/Kg	☼	76	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 123*
2-Fluorobiphenyl	*75*		*14 - 103*
2-Fluorophenol (Surr)	*23*		*10 - 105*
Nitrobenzene-d5 (Surr)	*73*		*11 - 104*
Phenol-d5 (Surr)	*62*		*15 - 100*
Terphenyl-d14 (Surr)	*82*		*12 - 126*

Lab Sample ID: 460-236236-A-2-J MSD
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.68	2.65		mg/Kg	☼	72	65 - 110	6	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.68	2.84		mg/Kg	☼	77	64 - 110	4	30
1,4-Dioxane	0.036	U	3.68	1.92		mg/Kg	☼	52	31 - 81	2	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.68	2.87		mg/Kg	☼	78	49 - 109	5	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.68	1.41	*	mg/Kg	☼	38	58 - 113	10	30
2,4,5-Trichlorophenol	0.36	U	3.68	1.42	*	mg/Kg	☼	39	64 - 112	23	30
2,4,6-Trichlorophenol	0.15	U	3.68	1.41	*	mg/Kg	☼	38	63 - 113	22	30
2,4-Dichlorophenol	0.15	U	3.68	1.34	*	mg/Kg	☼	36	66 - 113	14	30
2,4-Dimethylphenol	0.36	U	3.68	2.54		mg/Kg	☼	69	63 - 107	8	30
2,4-Dinitrophenol	0.29	U	7.37	0.29	U *	mg/Kg	☼	0	25 - 150	NC	30
2,4-Dinitrotoluene	0.074	U	3.68	2.70		mg/Kg	☼	73	65 - 124	3	30
2,6-Dinitrotoluene	0.074	U	3.68	2.88		mg/Kg	☼	78	67 - 121	4	30
2-Chloronaphthalene	0.36	U	3.68	2.62		mg/Kg	☼	71	65 - 109	7	30
2-Chlorophenol	0.36	U	3.68	1.52	*	mg/Kg	☼	41	63 - 106	16	30
2-Methylnaphthalene	0.36	U	3.68	2.66		mg/Kg	☼	72	64 - 108	6	30
2-Methylphenol	0.36	U	3.68	2.76		mg/Kg	☼	75	63 - 108	4	30
2-Nitroaniline	0.36	U	3.68	2.13	*	mg/Kg	☼	58	59 - 119	5	30
2-Nitrophenol	0.36	U	3.68	0.901	*	mg/Kg	☼	24	64 - 112	11	30
3,3'-Dichlorobenzidine	0.15	U	3.68	2.52		mg/Kg	☼	68	17 - 101	8	30
3-Nitroaniline	0.36	U	3.68	2.56		mg/Kg	☼	70	31 - 102	5	30
4,6-Dinitro-2-methylphenol	0.29	U	7.37	0.29	U *	mg/Kg	☼	0	44 - 136	NC	30
4-Bromophenyl phenyl ether	0.36	U	3.68	2.90		mg/Kg	☼	79	67 - 113	7	30
4-Chloro-3-methylphenol	0.36	U	3.68	2.50		mg/Kg	☼	68	66 - 114	6	30
4-Chloroaniline	0.36	U	3.68	2.54		mg/Kg	☼	69	20 - 98	9	30
4-Chlorophenyl phenyl ether	0.36	U	3.68	2.85		mg/Kg	☼	77	66 - 110	4	30
4-Methylphenol	0.36	U	3.68	2.43		mg/Kg	☼	66	61 - 108	7	30
4-Nitroaniline	0.36	U	3.68	2.17		mg/Kg	☼	59	50 - 110	5	30
4-Nitrophenol	0.74	U	7.37	0.982	*	mg/Kg	☼	13	47 - 123	20	30
Acenaphthene	0.36	U	3.68	2.15		mg/Kg	☼	58	53 - 110	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236236-A-2-J MSD
Matrix: Solid
Analysis Batch: 784132

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	0.36	U	3.68	2.59		mg/Kg	☼	70	64 - 108	7	30
Acetophenone	0.36	U	3.68	2.65		mg/Kg	☼	72	61 - 103	2	30
Anthracene	0.36	U	3.68	2.64		mg/Kg	☼	72	67 - 114	8	30
Atrazine	0.15	U *	1.47	2.03		mg/Kg	☼	138	44 - 145	1	30
Benzaldehyde	0.36	U *	1.47	1.66	E	mg/Kg	☼	112	43 - 150	17	30
Benzo[a]anthracene	0.036	U	3.68	2.55		mg/Kg	☼	69	67 - 115	6	30
Benzo[a]pyrene	0.036	U	3.68	3.22		mg/Kg	☼	87	73 - 123	5	30
Benzo[b]fluoranthene	0.036	U	3.68	3.10		mg/Kg	☼	84	70 - 125	6	30
Benzo[g,h,i]perylene	0.36	U	3.68	2.80		mg/Kg	☼	76	61 - 113	7	30
Benzo[k]fluoranthene	0.036	U	3.68	2.98		mg/Kg	☼	81	67 - 115	6	30
Bis(2-chloroethoxy)methane	0.36	U	3.68	2.69		mg/Kg	☼	73	62 - 107	8	30
Bis(2-chloroethyl)ether	0.036	U	3.68	2.84		mg/Kg	☼	77	60 - 107	1	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.68	2.38		mg/Kg	☼	65	59 - 111	5	30
Butyl benzyl phthalate	0.36	U	3.68	2.41		mg/Kg	☼	65	62 - 113	2	30
Caprolactam	0.36	U	1.47	1.84		mg/Kg	☼	125	59 - 140	3	30
Carbazole	0.36	U	3.68	2.52		mg/Kg	☼	68	64 - 113	7	30
Chrysene	0.36	U	3.68	2.74		mg/Kg	☼	74	71 - 122	3	30
Dibenz(a,h)anthracene	0.036	U	3.68	2.90		mg/Kg	☼	79	66 - 119	7	30
Dibenzofuran	0.36	U	3.68	2.69		mg/Kg	☼	73	65 - 108	6	30
Diethyl phthalate	0.36	U	3.68	2.54		mg/Kg	☼	69	63 - 109	4	30
Dimethyl phthalate	0.36	U	3.68	2.53		mg/Kg	☼	69	65 - 109	0	30
Di-n-butyl phthalate	0.36	U	3.68	2.45		mg/Kg	☼	67	66 - 114	6	30
Di-n-octyl phthalate	0.36	U	3.68	2.70		mg/Kg	☼	73	65 - 122	6	30
Fluoranthene	0.36	U	3.68	2.61		mg/Kg	☼	71	61 - 106	7	30
Fluorene	0.36	U	3.68	2.66		mg/Kg	☼	72	65 - 109	4	30
Hexachlorobenzene	0.036	U	3.68	3.05		mg/Kg	☼	83	61 - 113	6	30
Hexachlorobutadiene	0.074	U	3.68	3.09		mg/Kg	☼	84	62 - 109	6	30
Hexachlorocyclopentadiene	0.36	U	3.68	1.52	*	mg/Kg	☼	41	42 - 118	49	30
Hexachloroethane	0.036	U	3.68	2.69		mg/Kg	☼	73	61 - 102	2	30
Indeno[1,2,3-cd]pyrene	0.036	U	3.68	2.96		mg/Kg	☼	80	62 - 121	14	30
Isophorone	0.15	U	3.68	2.81		mg/Kg	☼	76	63 - 107	7	30
Naphthalene	0.36	U	3.68	2.70		mg/Kg	☼	73	63 - 106	5	30
Nitrobenzene	0.036	U	3.68	2.88		mg/Kg	☼	78	63 - 110	4	30
N-Nitrosodi-n-propylamine	0.036	U	3.68	2.86		mg/Kg	☼	78	61 - 108	5	30
N-Nitrosodiphenylamine	0.36	U	3.68	2.66		mg/Kg	☼	72	67 - 113	5	30
Pentachlorophenol	0.29	U	7.37	0.887	*	mg/Kg	☼	12	44 - 126	30	30
Phenanthrene	0.36	U	3.68	2.60		mg/Kg	☼	71	66 - 112	7	30
Phenol	0.36	U	3.68	2.70		mg/Kg	☼	73	63 - 110	0	30
Pyrene	0.36	U	3.68	2.74		mg/Kg	☼	74	61 - 111	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*47*		*10 - 123*
2-Fluorobiphenyl	*72*		*14 - 103*
2-Fluorophenol (Surr)	*32*		*10 - 105*
Nitrobenzene-d5 (Surr)	*71*		*11 - 104*
Phenol-d5 (Surr)	*64*		*15 - 100*
Terphenyl-d14 (Surr)	*81*		*12 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-784212/1-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.0044	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.0060	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4-Dimethylphenol	0.33	U	0.33	0.015	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Nitroaniline	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
3-Nitroaniline	0.33	U	0.33	0.037	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Acenaphthylene	0.33	U	0.33	0.0033	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzo[a]anthracene	0.033	U	0.033	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Chrysene	0.33	U	0.33	0.0056	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Dibenzofuran	0.33	U	0.33	0.0046	mg/Kg		06/14/21 23:03	06/15/21 09:01	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-784212/1-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.33	U	0.33	0.0048	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Fluorene	0.33	U	0.33	0.0045	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Nitrobenzene	0.033	U	0.033	0.0079	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Phenanthrene	0.33	U	0.33	0.0058	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/14/21 23:03	06/15/21 09:01	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/14/21 23:03	06/15/21 09:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Aldol condensation product	*1.02*	*A J*	*mg/Kg*		*2.60*		*06/14/21 23:03*	*06/15/21 09:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*111*		*10 - 123*	*06/14/21 23:03*	*06/15/21 09:01*	*1*
2-Fluorobiphenyl	*93*		*14 - 103*	*06/14/21 23:03*	*06/15/21 09:01*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 105*	*06/14/21 23:03*	*06/15/21 09:01*	*1*
Nitrobenzene-d5 (Surr)	*92*		*11 - 104*	*06/14/21 23:03*	*06/15/21 09:01*	*1*
Phenol-d5 (Surr)	*94*		*15 - 100*	*06/14/21 23:03*	*06/15/21 09:01*	*1*
Terphenyl-d14 (Surr)	*116*		*12 - 126*	*06/14/21 23:03*	*06/15/21 09:01*	*1*

Lab Sample ID: LCS 460-784212/2-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.92		mg/Kg		87	65 - 110
1,2,4,5-Tetrachlorobenzene	3.33	3.26		mg/Kg		98	64 - 110
1,4-Dioxane	3.33	1.84		mg/Kg		55	31 - 81
2,2'-oxybis[1-chloropropane]	3.33	2.93		mg/Kg		88	49 - 109
2,3,4,6-Tetrachlorophenol	3.33	2.88		mg/Kg		86	58 - 113
2,4,5-Trichlorophenol	3.33	3.11		mg/Kg		93	64 - 112
2,4,6-Trichlorophenol	3.33	3.04		mg/Kg		91	63 - 113
2,4-Dichlorophenol	3.33	3.27		mg/Kg		98	66 - 113
2,4-Dimethylphenol	3.33	2.99		mg/Kg		90	63 - 107
2,4-Dinitrophenol	6.67	5.28		mg/Kg		79	25 - 150
2,4-Dinitrotoluene	3.33	3.08		mg/Kg		93	65 - 124

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-784212/2-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	3.33	3.16		mg/Kg		95	67 - 121
2-Chloronaphthalene	3.33	2.95		mg/Kg		89	65 - 109
2-Chlorophenol	3.33	2.95		mg/Kg		89	63 - 106
2-Methylnaphthalene	3.33	2.99		mg/Kg		90	64 - 108
2-Methylphenol	3.33	3.01		mg/Kg		90	63 - 108
2-Nitroaniline	3.33	2.26		mg/Kg		68	59 - 119
2-Nitrophenol	3.33	3.20		mg/Kg		96	64 - 112
3,3'-Dichlorobenzidine	3.33	2.09		mg/Kg		63	17 - 101
3-Nitroaniline	3.33	2.41		mg/Kg		72	31 - 102
4,6-Dinitro-2-methylphenol	6.67	5.91		mg/Kg		89	44 - 136
4-Bromophenyl phenyl ether	3.33	3.30		mg/Kg		99	67 - 113
4-Chloro-3-methylphenol	3.33	3.10		mg/Kg		93	66 - 114
4-Chloroaniline	3.33	2.23		mg/Kg		67	20 - 98
4-Chlorophenyl phenyl ether	3.33	3.22		mg/Kg		97	66 - 110
4-Methylphenol	3.33	2.83		mg/Kg		85	61 - 108
4-Nitroaniline	3.33	2.30		mg/Kg		69	50 - 110
4-Nitrophenol	6.67	4.40		mg/Kg		66	47 - 123
Acenaphthene	3.33	2.40		mg/Kg		72	53 - 110
Acenaphthylene	3.33	2.93		mg/Kg		88	64 - 108
Acetophenone	3.33	2.80		mg/Kg		84	61 - 103
Anthracene	3.33	2.93		mg/Kg		88	67 - 114
Atrazine	1.33	1.64		mg/Kg		123	44 - 145
Benzaldehyde	1.33	1.43		mg/Kg		107	43 - 150
Benzo[a]anthracene	3.33	2.99		mg/Kg		90	67 - 115
Benzo[a]pyrene	3.33	3.58		mg/Kg		107	73 - 123
Benzo[b]fluoranthene	3.33	3.53		mg/Kg		106	70 - 125
Benzo[g,h,i]perylene	3.33	3.33		mg/Kg		100	61 - 113
Benzo[k]fluoranthene	3.33	3.18		mg/Kg		95	67 - 115
Bis(2-chloroethoxy)methane	3.33	2.97		mg/Kg		89	62 - 107
Bis(2-chloroethyl)ether	3.33	2.95		mg/Kg		88	60 - 107
Bis(2-ethylhexyl) phthalate	3.33	2.68		mg/Kg		80	59 - 111
Butyl benzyl phthalate	3.33	2.73		mg/Kg		82	62 - 113
Caprolactam	1.33	1.40		mg/Kg		105	59 - 140
Carbazole	3.33	2.76		mg/Kg		83	64 - 113
Chrysene	3.33	2.87		mg/Kg		86	71 - 122
Dibenz(a,h)anthracene	3.33	3.39		mg/Kg		102	66 - 119
Dibenzofuran	3.33	2.97		mg/Kg		89	65 - 108
Diethyl phthalate	3.33	2.81		mg/Kg		84	63 - 109
Dimethyl phthalate	3.33	2.97		mg/Kg		89	65 - 109
Di-n-butyl phthalate	3.33	2.75		mg/Kg		82	66 - 114
Di-n-octyl phthalate	3.33	3.02		mg/Kg		91	65 - 122
Fluoranthene	3.33	2.95		mg/Kg		89	61 - 106
Fluorene	3.33	2.94		mg/Kg		88	65 - 109
Hexachlorobenzene	3.33	3.45		mg/Kg		104	61 - 113
Hexachlorobutadiene	3.33	3.63		mg/Kg		109	62 - 109
Hexachlorocyclopentadiene	3.33	2.68		mg/Kg		81	42 - 118
Hexachloroethane	3.33	2.89		mg/Kg		87	61 - 102
Indeno[1,2,3-cd]pyrene	3.33	3.70		mg/Kg		111	62 - 121
Isophorone	3.33	3.03		mg/Kg		91	63 - 107

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-784212/2-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	3.33	2.93		mg/Kg		88	63 - 106
Nitrobenzene	3.33	3.09		mg/Kg		93	63 - 110
N-Nitrosodi-n-propylamine	3.33	3.01		mg/Kg		90	61 - 108
N-Nitrosodiphenylamine	3.33	2.94		mg/Kg		88	67 - 113
Pentachlorophenol	6.67	4.03		mg/Kg		60	44 - 126
Phenanthrene	3.33	2.91		mg/Kg		87	66 - 112
Phenol	3.33	3.13		mg/Kg		94	63 - 110
Pyrene	3.33	3.05		mg/Kg		91	61 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*10 - 123*
2-Fluorobiphenyl	*94*		*14 - 103*
2-Fluorophenol (Surr)	*87*		*10 - 105*
Nitrobenzene-d5 (Surr)	*89*		*11 - 104*
Phenol-d5 (Surr)	*87*		*15 - 100*
Terphenyl-d14 (Surr)	*107*		*12 - 126*

Lab Sample ID: LCSD 460-784212/3-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.93		mg/Kg		88	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene	3.33	3.24		mg/Kg		97	64 - 110	1	30
1,4-Dioxane	3.33	1.85		mg/Kg		56	31 - 81	1	30
2,2'-oxybis[1-chloropropane]	3.33	3.04		mg/Kg		91	49 - 109	4	30
2,3,4,6-Tetrachlorophenol	3.33	3.01		mg/Kg		90	58 - 113	4	30
2,4,5-Trichlorophenol	3.33	3.26		mg/Kg		98	64 - 112	5	30
2,4,6-Trichlorophenol	3.33	3.08		mg/Kg		92	63 - 113	1	30
2,4-Dichlorophenol	3.33	3.34		mg/Kg		100	66 - 113	2	30
2,4-Dimethylphenol	3.33	2.96		mg/Kg		89	63 - 107	1	30
2,4-Dinitrophenol	6.67	4.95		mg/Kg		74	25 - 150	7	30
2,4-Dinitrotoluene	3.33	3.14		mg/Kg		94	65 - 124	2	30
2,6-Dinitrotoluene	3.33	3.27		mg/Kg		98	67 - 121	3	30
2-Chloronaphthalene	3.33	2.95		mg/Kg		88	65 - 109	0	30
2-Chlorophenol	3.33	3.06		mg/Kg		92	63 - 106	4	30
2-Methylnaphthalene	3.33	3.11		mg/Kg		93	64 - 108	4	30
2-Methylphenol	3.33	3.07		mg/Kg		92	63 - 108	2	30
2-Nitroaniline	3.33	2.35		mg/Kg		71	59 - 119	4	30
2-Nitrophenol	3.33	3.17		mg/Kg		95	64 - 112	1	30
3,3'-Dichlorobenzidine	3.33	2.14		mg/Kg		64	17 - 101	2	30
3-Nitroaniline	3.33	2.47		mg/Kg		74	31 - 102	2	30
4,6-Dinitro-2-methylphenol	6.67	5.99		mg/Kg		90	44 - 136	1	30
4-Bromophenyl phenyl ether	3.33	3.38		mg/Kg		101	67 - 113	2	30
4-Chloro-3-methylphenol	3.33	3.13		mg/Kg		94	66 - 114	1	30
4-Chloroaniline	3.33	2.28		mg/Kg		68	20 - 98	2	30
4-Chlorophenyl phenyl ether	3.33	3.24		mg/Kg		97	66 - 110	1	30
4-Methylphenol	3.33	2.91		mg/Kg		87	61 - 108	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-784212/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784270
Prep Batch: 784212

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.33		mg/Kg		70	50 - 110	2	30
4-Nitrophenol			6.67	4.53		mg/Kg		68	47 - 123	3	30
Acenaphthene			3.33	2.37		mg/Kg		71	53 - 110	1	30
Acenaphthylene			3.33	2.94		mg/Kg		88	64 - 108	1	30
Acetophenone			3.33	2.89		mg/Kg		87	61 - 103	3	30
Anthracene			3.33	2.95		mg/Kg		88	67 - 114	1	30
Atrazine			1.33	1.63		mg/Kg		122	44 - 145	1	30
Benzaldehyde			1.33	1.44		mg/Kg		108	43 - 150	0	30
Benzo[a]anthracene			3.33	2.90		mg/Kg		87	67 - 115	3	30
Benzo[a]pyrene			3.33	3.63		mg/Kg		109	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.27		mg/Kg		98	70 - 125	8	30
Benzo[g,h,i]perylene			3.33	3.42		mg/Kg		103	61 - 113	3	30
Benzo[k]fluoranthene			3.33	3.42		mg/Kg		103	67 - 115	7	30
Bis(2-chloroethoxy)methane			3.33	3.02		mg/Kg		91	62 - 107	2	30
Bis(2-chloroethyl)ether			3.33	2.98		mg/Kg		89	60 - 107	1	30
Bis(2-ethylhexyl) phthalate			3.33	2.72		mg/Kg		82	59 - 111	1	30
Butyl benzyl phthalate			3.33	2.75		mg/Kg		83	62 - 113	1	30
Caprolactam			1.33	1.43		mg/Kg		107	59 - 140	3	30
Carbazole			3.33	2.75		mg/Kg		83	64 - 113	0	30
Chrysene			3.33	3.00		mg/Kg		90	71 - 122	4	30
Dibenz(a,h)anthracene			3.33	3.49		mg/Kg		105	66 - 119	3	30
Dibenzofuran			3.33	3.00		mg/Kg		90	65 - 108	1	30
Diethyl phthalate			3.33	2.94		mg/Kg		88	63 - 109	5	30
Dimethyl phthalate			3.33	3.05		mg/Kg		92	65 - 109	3	30
Di-n-butyl phthalate			3.33	2.76		mg/Kg		83	66 - 114	1	30
Di-n-octyl phthalate			3.33	3.08		mg/Kg		92	65 - 122	2	30
Fluoranthene			3.33	2.94		mg/Kg		88	61 - 106	1	30
Fluorene			3.33	2.96		mg/Kg		89	65 - 109	1	30
Hexachlorobenzene			3.33	3.53		mg/Kg		106	61 - 113	2	30
Hexachlorobutadiene			3.33	3.62		mg/Kg		109	62 - 109	0	30
Hexachlorocyclopentadiene			3.33	2.68		mg/Kg		80	42 - 118	0	30
Hexachloroethane			3.33	2.88		mg/Kg		86	61 - 102	0	30
Indeno[1,2,3-cd]pyrene			3.33	3.66		mg/Kg		110	62 - 121	1	30
Isophorone			3.33	3.13		mg/Kg		94	63 - 107	3	30
Naphthalene			3.33	2.96		mg/Kg		89	63 - 106	1	30
Nitrobenzene			3.33	3.16		mg/Kg		95	63 - 110	2	30
N-Nitrosodi-n-propylamine			3.33	3.20		mg/Kg		96	61 - 108	6	30
N-Nitrosodiphenylamine			3.33	2.94		mg/Kg		88	67 - 113	0	30
Pentachlorophenol			6.67	4.02		mg/Kg		60	44 - 126	0	30
Phenanthrene			3.33	2.94		mg/Kg		88	66 - 112	1	30
Phenol			3.33	3.24		mg/Kg		97	63 - 110	4	30
Pyrene			3.33	3.08		mg/Kg		92	61 - 111	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*114*		*10 - 123*
2-Fluorobiphenyl	*94*		*14 - 103*
2-Fluorophenol (Surr)	*91*		*10 - 105*
Nitrobenzene-d5 (Surr)	*90*		*11 - 104*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-784212/3-A
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784212

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*89*		*15 - 100*
Terphenyl-d14 (Surr)	*110*		*12 - 126*

Lab Sample ID: 460-236227-B-4-A MS
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.38	U	3.88	2.99		mg/Kg	☼	77	65 - 110
1,2,4,5-Tetrachlorobenzene	0.38	U	3.88	3.21		mg/Kg	☼	83	64 - 110
1,4-Dioxane	0.038	U	3.88	1.96		mg/Kg	☼	50	31 - 81
2,2'-oxybis[1-chloropropane]	0.38	U	3.88	2.98		mg/Kg	☼	77	49 - 109
2,3,4,6-Tetrachlorophenol	0.38	U	3.88	3.02		mg/Kg	☼	78	58 - 113
2,4,5-Trichlorophenol	0.38	U	3.88	3.10		mg/Kg	☼	80	64 - 112
2,4,6-Trichlorophenol	0.15	U	3.88	3.11		mg/Kg	☼	80	63 - 113
2,4-Dichlorophenol	0.15	U	3.88	3.33		mg/Kg	☼	86	66 - 113
2,4-Dimethylphenol	0.38	U	3.88	2.98		mg/Kg	☼	77	63 - 107
2,4-Dinitrophenol	0.31	U	7.76	4.92		mg/Kg	☼	63	25 - 150
2,4-Dinitrotoluene	0.078	U	3.88	3.19		mg/Kg	☼	82	65 - 124
2,6-Dinitrotoluene	0.078	U	3.88	3.25		mg/Kg	☼	84	67 - 121
2-Chloronaphthalene	0.38	U	3.88	2.96		mg/Kg	☼	76	65 - 109
2-Chlorophenol	0.38	U	3.88	3.03		mg/Kg	☼	78	63 - 106
2-Methylnaphthalene	0.38	U	3.88	3.08		mg/Kg	☼	79	64 - 108
2-Methylphenol	0.38	U	3.88	3.16		mg/Kg	☼	81	63 - 108
2-Nitroaniline	0.38	U	3.88	2.38		mg/Kg	☼	61	59 - 119
2-Nitrophenol	0.38	U	3.88	3.14		mg/Kg	☼	81	64 - 112
3,3'-Dichlorobenzidine	0.15	U	3.88	2.70		mg/Kg	☼	70	17 - 101
3-Nitroaniline	0.38	U	3.88	2.78		mg/Kg	☼	72	31 - 102
4,6-Dinitro-2-methylphenol	0.31	U	7.76	5.68		mg/Kg	☼	73	44 - 136
4-Bromophenyl phenyl ether	0.38	U	3.88	3.34		mg/Kg	☼	86	67 - 113
4-Chloro-3-methylphenol	0.38	U	3.88	3.18		mg/Kg	☼	82	66 - 114
4-Chloroaniline	0.38	U	3.88	2.82		mg/Kg	☼	73	20 - 98
4-Chlorophenyl phenyl ether	0.38	U	3.88	3.33		mg/Kg	☼	86	66 - 110
4-Methylphenol	0.38	U	3.88	2.88		mg/Kg	☼	74	61 - 108
4-Nitroaniline	0.38	U	3.88	2.41		mg/Kg	☼	62	50 - 110
4-Nitrophenol	0.78	U	7.76	4.75		mg/Kg	☼	61	47 - 123
Acenaphthene	0.38	U	3.88	2.40		mg/Kg	☼	62	53 - 110
Acenaphthylene	0.38	U	3.88	2.99		mg/Kg	☼	77	64 - 108
Acetophenone	0.38	U	3.88	2.89		mg/Kg	☼	74	61 - 103
Anthracene	0.38	U	3.88	2.98		mg/Kg	☼	77	67 - 114
Atrazine	0.15	U	1.55	1.67		mg/Kg	☼	108	44 - 145
Benzaldehyde	0.38	U	1.55	1.41	E	mg/Kg	☼	91	43 - 150
Benzo[a]anthracene	0.038	U	3.88	3.00		mg/Kg	☼	77	67 - 115
Benzo[a]pyrene	0.038	U	3.88	3.65		mg/Kg	☼	94	73 - 123
Benzo[b]fluoranthene	0.038	U	3.88	3.50		mg/Kg	☼	90	70 - 125
Benzo[g,h,i]perylene	0.38	U	3.88	3.21		mg/Kg	☼	83	61 - 113
Benzo[k]fluoranthene	0.038	U	3.88	3.37		mg/Kg	☼	87	67 - 115
Bis(2-chloroethoxy)methane	0.38	U	3.88	3.06		mg/Kg	☼	79	62 - 107

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236227-B-4-A MS
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	0.038	U	3.88	3.12		mg/Kg	☼	80	60 - 107
Bis(2-ethylhexyl) phthalate	0.38	U	3.88	2.79		mg/Kg	☼	72	59 - 111
Butyl benzyl phthalate	0.38	U	3.88	2.87		mg/Kg	☼	74	62 - 113
Caprolactam	0.38	U	1.55	1.43		mg/Kg	☼	92	59 - 140
Carbazole	0.38	U	3.88	2.78		mg/Kg	☼	72	64 - 113
Chrysene	0.38	U	3.88	3.02		mg/Kg	☼	78	71 - 122
Dibenz(a,h)anthracene	0.038	U	3.88	3.35		mg/Kg	☼	86	66 - 119
Dibenzofuran	0.38	U	3.88	3.05		mg/Kg	☼	78	65 - 108
Diethyl phthalate	0.38	U	3.88	2.96		mg/Kg	☼	76	63 - 109
Dimethyl phthalate	0.38	U	3.88	3.08		mg/Kg	☼	79	65 - 109
Di-n-butyl phthalate	0.38	U	3.88	2.83		mg/Kg	☼	73	66 - 114
Di-n-octyl phthalate	0.38	U	3.88	3.18		mg/Kg	☼	82	65 - 122
Fluoranthene	0.38	U	3.88	3.02		mg/Kg	☼	78	61 - 106
Fluorene	0.38	U	3.88	3.05		mg/Kg	☼	78	65 - 109
Hexachlorobenzene	0.038	U	3.88	3.45		mg/Kg	☼	89	61 - 113
Hexachlorobutadiene	0.078	U	3.88	3.40		mg/Kg	☼	88	62 - 109
Hexachlorocyclopentadiene	0.38	U	3.88	2.58		mg/Kg	☼	67	42 - 118
Hexachloroethane	0.038	U	3.88	2.84		mg/Kg	☼	73	61 - 102
Indeno[1,2,3-cd]pyrene	0.038	U	3.88	3.58		mg/Kg	☼	92	62 - 121
Isophorone	0.15	U	3.88	3.13		mg/Kg	☼	80	63 - 107
Naphthalene	0.38	U	3.88	2.97		mg/Kg	☼	77	63 - 106
Nitrobenzene	0.038	U	3.88	3.17		mg/Kg	☼	82	63 - 110
N-Nitrosodi-n-propylamine	0.038	U	3.88	3.18		mg/Kg	☼	82	61 - 108
N-Nitrosodiphenylamine	0.38	U	3.88	3.00		mg/Kg	☼	77	67 - 113
Pentachlorophenol	0.31	U	7.76	4.17		mg/Kg	☼	54	44 - 126
Phenanthrene	0.38	U	3.88	2.97		mg/Kg	☼	76	66 - 112
Phenol	0.38	U	3.88	3.28		mg/Kg	☼	85	63 - 110
Pyrene	0.38	U	3.88	3.10		mg/Kg	☼	80	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*78*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*79*		*15 - 100*
Terphenyl-d14 (Surr)	*96*		*12 - 126*

Lab Sample ID: 460-236227-B-4-B MSD
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.38	U	3.88	3.14		mg/Kg	☼	81	65 - 110	5	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.88	3.31		mg/Kg	☼	85	64 - 110	3	30
1,4-Dioxane	0.038	U	3.88	1.91		mg/Kg	☼	49	31 - 81	3	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.88	2.98		mg/Kg	☼	77	49 - 109	0	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.88	3.30		mg/Kg	☼	85	58 - 113	9	30
2,4,5-Trichlorophenol	0.38	U	3.88	3.49		mg/Kg	☼	90	64 - 112	12	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236227-B-4-B MSD
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	0.15	U	3.88	3.35		mg/Kg	☼	86	63 - 113	7	30
2,4-Dichlorophenol	0.15	U	3.88	3.55		mg/Kg	☼	91	66 - 113	6	30
2,4-Dimethylphenol	0.38	U	3.88	3.27		mg/Kg	☼	84	63 - 107	9	30
2,4-Dinitrophenol	0.31	U	7.76	5.67		mg/Kg	☼	73	25 - 150	14	30
2,4-Dinitrotoluene	0.078	U	3.88	3.53		mg/Kg	☼	91	65 - 124	10	30
2,6-Dinitrotoluene	0.078	U	3.88	3.49		mg/Kg	☼	90	67 - 121	7	30
2-Chloronaphthalene	0.38	U	3.88	3.11		mg/Kg	☼	80	65 - 109	5	30
2-Chlorophenol	0.38	U	3.88	2.97		mg/Kg	☼	77	63 - 106	2	30
2-Methylnaphthalene	0.38	U	3.88	3.20		mg/Kg	☼	82	64 - 108	4	30
2-Methylphenol	0.38	U	3.88	3.34		mg/Kg	☼	86	63 - 108	6	30
2-Nitroaniline	0.38	U	3.88	2.61		mg/Kg	☼	67	59 - 119	9	30
2-Nitrophenol	0.38	U	3.88	3.10		mg/Kg	☼	80	64 - 112	1	30
3,3'-Dichlorobenzidine	0.15	U	3.88	2.87		mg/Kg	☼	74	17 - 101	6	30
3-Nitroaniline	0.38	U	3.88	3.01		mg/Kg	☼	78	31 - 102	8	30
4,6-Dinitro-2-methylphenol	0.31	U	7.76	6.37		mg/Kg	☼	82	44 - 136	11	30
4-Bromophenyl phenyl ether	0.38	U	3.88	3.67		mg/Kg	☼	94	67 - 113	9	30
4-Chloro-3-methylphenol	0.38	U	3.88	3.57		mg/Kg	☼	92	66 - 114	12	30
4-Chloroaniline	0.38	U	3.88	2.98		mg/Kg	☼	77	20 - 98	6	30
4-Chlorophenyl phenyl ether	0.38	U	3.88	3.57		mg/Kg	☼	92	66 - 110	7	30
4-Methylphenol	0.38	U	3.88	3.19		mg/Kg	☼	82	61 - 108	10	30
4-Nitroaniline	0.38	U	3.88	2.62		mg/Kg	☼	68	50 - 110	9	30
4-Nitrophenol	0.78	U	7.76	5.44		mg/Kg	☼	70	47 - 123	14	30
Acenaphthene	0.38	U	3.88	2.59		mg/Kg	☼	67	53 - 110	8	30
Acenaphthylene	0.38	U	3.88	3.16		mg/Kg	☼	81	64 - 108	6	30
Acetophenone	0.38	U	3.88	2.89		mg/Kg	☼	74	61 - 103	0	30
Anthracene	0.38	U	3.88	3.28		mg/Kg	☼	85	67 - 114	10	30
Atrazine	0.15	U	1.55	1.63		mg/Kg	☼	105	44 - 145	3	30
Benzaldehyde	0.38	U	1.55	1.29	E	mg/Kg	☼	83	43 - 150	9	30
Benzo[a]anthracene	0.038	U	3.88	3.25		mg/Kg	☼	84	67 - 115	8	30
Benzo[a]pyrene	0.038	U	3.88	4.02		mg/Kg	☼	103	73 - 123	9	30
Benzo[b]fluoranthene	0.038	U	3.88	3.81		mg/Kg	☼	98	70 - 125	8	30
Benzo[g,h,i]perylene	0.38	U	3.88	3.59		mg/Kg	☼	92	61 - 113	11	30
Benzo[k]fluoranthene	0.038	U	3.88	3.78		mg/Kg	☼	97	67 - 115	11	30
Bis(2-chloroethoxy)methane	0.38	U	3.88	3.12		mg/Kg	☼	80	62 - 107	2	30
Bis(2-chloroethyl)ether	0.038	U	3.88	2.99		mg/Kg	☼	77	60 - 107	4	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.88	3.07		mg/Kg	☼	79	59 - 111	9	30
Butyl benzyl phthalate	0.38	U	3.88	3.23		mg/Kg	☼	83	62 - 113	12	30
Caprolactam	0.38	U	1.55	1.42		mg/Kg	☼	91	59 - 140	1	30
Carbazole	0.38	U	3.88	3.09		mg/Kg	☼	79	64 - 113	10	30
Chrysene	0.38	U	3.88	3.39		mg/Kg	☼	87	71 - 122	12	30
Dibenz(a,h)anthracene	0.038	U	3.88	3.64		mg/Kg	☼	94	66 - 119	8	30
Dibenzofuran	0.38	U	3.88	3.27		mg/Kg	☼	84	65 - 108	7	30
Diethyl phthalate	0.38	U	3.88	3.26		mg/Kg	☼	84	63 - 109	10	30
Dimethyl phthalate	0.38	U	3.88	3.33		mg/Kg	☼	86	65 - 109	8	30
Di-n-butyl phthalate	0.38	U	3.88	3.17		mg/Kg	☼	82	66 - 114	11	30
Di-n-octyl phthalate	0.38	U	3.88	3.51		mg/Kg	☼	90	65 - 122	10	30
Fluoranthene	0.38	U	3.88	3.29		mg/Kg	☼	85	61 - 106	9	30
Fluorene	0.38	U	3.88	3.26		mg/Kg	☼	84	65 - 109	7	30
Hexachlorobenzene	0.038	U	3.88	3.87		mg/Kg	☼	100	61 - 113	11	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-236227-B-4-B MSD
Matrix: Solid
Analysis Batch: 784270

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	0.078	U	3.88	3.25		mg/Kg	☼	84	62 - 109	5	30
Hexachlorocyclopentadiene	0.38	U	3.88	2.55		mg/Kg	☼	66	42 - 118	1	30
Hexachloroethane	0.038	U	3.88	2.77		mg/Kg	☼	71	61 - 102	3	30
Indeno[1,2,3-cd]pyrene	0.038	U	3.88	3.62		mg/Kg	☼	93	62 - 121	1	30
Isophorone	0.15	U	3.88	3.37		mg/Kg	☼	87	63 - 107	7	30
Naphthalene	0.38	U	3.88	2.87		mg/Kg	☼	74	63 - 106	4	30
Nitrobenzene	0.038	U	3.88	3.17		mg/Kg	☼	82	63 - 110	0	30
N-Nitrosodi-n-propylamine	0.038	U	3.88	3.42		mg/Kg	☼	88	61 - 108	7	30
N-Nitrosodiphenylamine	0.38	U	3.88	3.28		mg/Kg	☼	85	67 - 113	9	30
Pentachlorophenol	0.31	U	7.76	4.66		mg/Kg	☼	60	44 - 126	11	30
Phenanthrene	0.38	U	3.88	3.24		mg/Kg	☼	84	66 - 112	9	30
Phenol	0.38	U	3.88	3.37		mg/Kg	☼	87	63 - 110	3	30
Pyrene	0.38	U	3.88	3.50		mg/Kg	☼	90	61 - 111	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*106*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*75*		*10 - 105*
Nitrobenzene-d5 (Surr)	*74*		*11 - 104*
Phenol-d5 (Surr)	*79*		*15 - 100*
Terphenyl-d14 (Surr)	*105*		*12 - 126*

Lab Sample ID: MB 460-784546/1-A
Matrix: Solid
Analysis Batch: 784620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/16/21 10:40	06/16/21 21:20	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/16/21 10:40	06/16/21 21:20	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/16/21 10:40	06/16/21 21:20	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/16/21 10:40	06/16/21 21:20	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/16/21 10:40	06/16/21 21:20	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/16/21 10:40	06/16/21 21:20	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/16/21 10:40	06/16/21 21:20	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/16/21 10:40	06/16/21 21:20	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/16/21 10:40	06/16/21 21:20	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/16/21 10:40	06/16/21 21:20	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/16/21 10:40	06/16/21 21:20	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/16/21 10:40	06/16/21 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 150*	*06/16/21 10:40*	*06/16/21 21:20*	*1*
2-Fluorobiphenyl	*72*		*42 - 127*	*06/16/21 10:40*	*06/16/21 21:20*	*1*
2-Fluorophenol (Surr)	*53*		*18 - 72*	*06/16/21 10:40*	*06/16/21 21:20*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 137*	*06/16/21 10:40*	*06/16/21 21:20*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*06/16/21 10:40*	*06/16/21 21:20*	*1*
Terphenyl-d14 (Surr)	*110*		*39 - 150*	*06/16/21 10:40*	*06/16/21 21:20*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-784546/2-A
Matrix: Solid
Analysis Batch: 784620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784546

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0800	0.0702		mg/L		88	40 - 102		
2,4,5-Trichlorophenol			0.0800	0.0705		mg/L		88	63 - 112		
2,4,6-Trichlorophenol			0.0800	0.0733		mg/L		92	66 - 117		
3 & 4 Methylphenol			0.0800	0.0515		mg/L		64	43 - 78		
2,4-Dinitrotoluene			0.0800	0.0751		mg/L		94	68 - 134		
Pyridine			0.160	0.0824		mg/L		52	13 - 71		
2-Methylphenol			0.0800	0.0589		mg/L		74	48 - 88		
Hexachlorobenzene			0.0800	0.0624		mg/L		78	61 - 117		
Hexachlorobutadiene			0.0800	0.0638		mg/L		80	10 - 133		
Hexachloroethane			0.0800	0.0750		mg/L		94	17 - 115		
Nitrobenzene			0.0800	0.0780		mg/L		98	71 - 116		
Pentachlorophenol			0.160	0.127		mg/L		79	54 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*33 - 150*
2-Fluorobiphenyl	*91*		*42 - 127*
2-Fluorophenol (Surr)	*54*		*18 - 72*
Nitrobenzene-d5 (Surr)	*99*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*87*		*39 - 150*

Lab Sample ID: LCSD 460-784546/3-A
Matrix: Solid
Analysis Batch: 784620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784546

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0800	0.0698		mg/L		87	40 - 102	1	30
2,4,5-Trichlorophenol			0.0800	0.0709		mg/L		89	63 - 112	1	30
2,4,6-Trichlorophenol			0.0800	0.0733		mg/L		92	66 - 117	0	30
3 & 4 Methylphenol			0.0800	0.0515		mg/L		64	43 - 78	0	30
2,4-Dinitrotoluene			0.0800	0.0759		mg/L		95	68 - 134	1	30
Pyridine			0.160	0.0785		mg/L		49	13 - 71	5	30
2-Methylphenol			0.0800	0.0584		mg/L		73	48 - 88	1	30
Hexachlorobenzene			0.0800	0.0629		mg/L		79	61 - 117	1	30
Hexachlorobutadiene			0.0800	0.0645		mg/L		81	10 - 133	1	30
Hexachloroethane			0.0800	0.0757		mg/L		95	17 - 115	1	30
Nitrobenzene			0.0800	0.0780		mg/L		98	71 - 116	0	30
Pentachlorophenol			0.160	0.130		mg/L		81	54 - 131	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 150*
2-Fluorobiphenyl	*90*		*42 - 127*
2-Fluorophenol (Surr)	*55*		*18 - 72*
Nitrobenzene-d5 (Surr)	*97*		*46 - 137*
Phenol-d5 (Surr)	*35*		*10 - 50*
Terphenyl-d14 (Surr)	*88*		*39 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-783316/1-B
Matrix: Solid
Analysis Batch: 783518

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783453

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/10/21 10:13	06/10/21 20:07	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/10/21 10:13	06/10/21 20:07	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/10/21 10:13	06/10/21 20:07	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/10/21 10:13	06/10/21 20:07	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/10/21 10:13	06/10/21 20:07	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/10/21 10:13	06/10/21 20:07	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/10/21 10:13	06/10/21 20:07	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/10/21 10:13	06/10/21 20:07	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/10/21 10:13	06/10/21 20:07	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/10/21 10:13	06/10/21 20:07	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/10/21 10:13	06/10/21 20:07	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/10/21 10:13	06/10/21 20:07	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*33 - 150*	*06/10/21 10:13*	*06/10/21 20:07*	*1*
2-Fluorobiphenyl	*71*		*42 - 127*	*06/10/21 10:13*	*06/10/21 20:07*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*06/10/21 10:13*	*06/10/21 20:07*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*06/10/21 10:13*	*06/10/21 20:07*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*06/10/21 10:13*	*06/10/21 20:07*	*1*
Terphenyl-d14 (Surr)	*110*		*39 - 150*	*06/10/21 10:13*	*06/10/21 20:07*	*1*

Lab Sample ID: LB 460-783779/1-C
Matrix: Solid
Analysis Batch: 783952

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783920

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/13/21 07:54	06/14/21 00:03	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/13/21 07:54	06/14/21 00:03	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/13/21 07:54	06/14/21 00:03	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/13/21 07:54	06/14/21 00:03	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/13/21 07:54	06/14/21 00:03	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/13/21 07:54	06/14/21 00:03	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/13/21 07:54	06/14/21 00:03	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/13/21 07:54	06/14/21 00:03	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/13/21 07:54	06/14/21 00:03	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/13/21 07:54	06/14/21 00:03	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/13/21 07:54	06/14/21 00:03	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/13/21 07:54	06/14/21 00:03	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*33 - 150*	*06/13/21 07:54*	*06/14/21 00:03*	*1*
2-Fluorobiphenyl	*93*		*42 - 127*	*06/13/21 07:54*	*06/14/21 00:03*	*1*
2-Fluorophenol (Surr)	*52*		*18 - 72*	*06/13/21 07:54*	*06/14/21 00:03*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*06/13/21 07:54*	*06/14/21 00:03*	*1*
Phenol-d5 (Surr)	*33*		*10 - 50*	*06/13/21 07:54*	*06/14/21 00:03*	*1*
Terphenyl-d14 (Surr)	*114*		*39 - 150*	*06/13/21 07:54*	*06/14/21 00:03*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-783982/1-B
Matrix: Solid
Analysis Batch: 784148

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784045

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/14/21 09:03	06/14/21 23:59	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/14/21 09:03	06/14/21 23:59	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/14/21 09:03	06/14/21 23:59	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/14/21 09:03	06/14/21 23:59	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/14/21 09:03	06/14/21 23:59	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/14/21 09:03	06/14/21 23:59	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/14/21 09:03	06/14/21 23:59	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/14/21 09:03	06/14/21 23:59	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/14/21 09:03	06/14/21 23:59	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/14/21 09:03	06/14/21 23:59	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/14/21 09:03	06/14/21 23:59	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/14/21 09:03	06/14/21 23:59	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*36*		*33 - 150*	*06/14/21 09:03*	*06/14/21 23:59*	*1*
2-Fluorobiphenyl	*61*		*42 - 127*	*06/14/21 09:03*	*06/14/21 23:59*	*1*
2-Fluorophenol (Surr)	*3*	*	*18 - 72*	*06/14/21 09:03*	*06/14/21 23:59*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*06/14/21 09:03*	*06/14/21 23:59*	*1*
Phenol-d5 (Surr)	*11*		*10 - 50*	*06/14/21 09:03*	*06/14/21 23:59*	*1*
Terphenyl-d14 (Surr)	*114*		*39 - 150*	*06/14/21 09:03*	*06/14/21 23:59*	*1*

Lab Sample ID: LB 460-784374/1-B
Matrix: Solid
Analysis Batch: 784620

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784546

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.00044	mg/L		06/16/21 10:41	06/16/21 22:45	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		06/16/21 10:41	06/16/21 22:45	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		06/16/21 10:41	06/16/21 22:45	1
3 & 4 Methylphenol	0.010	U	0.010	0.00064	mg/L		06/16/21 10:41	06/16/21 22:45	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		06/16/21 10:41	06/16/21 22:45	1
Pyridine	0.010	U	0.010	0.0019	mg/L		06/16/21 10:41	06/16/21 22:45	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		06/16/21 10:41	06/16/21 22:45	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		06/16/21 10:41	06/16/21 22:45	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		06/16/21 10:41	06/16/21 22:45	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		06/16/21 10:41	06/16/21 22:45	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		06/16/21 10:41	06/16/21 22:45	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		06/16/21 10:41	06/16/21 22:45	1

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*	*06/16/21 10:41*	*06/16/21 22:45*	*1*
2-Fluorobiphenyl	*51*		*42 - 127*	*06/16/21 10:41*	*06/16/21 22:45*	*1*
2-Fluorophenol (Surr)	*56*		*18 - 72*	*06/16/21 10:41*	*06/16/21 22:45*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 137*	*06/16/21 10:41*	*06/16/21 22:45*	*1*
Phenol-d5 (Surr)	*37*		*10 - 50*	*06/16/21 10:41*	*06/16/21 22:45*	*1*
Terphenyl-d14 (Surr)	*118*		*39 - 150*	*06/16/21 10:41*	*06/16/21 22:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-783169/1-A
Matrix: Solid
Analysis Batch: 783353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/09/21 09:23	06/10/21 05:17	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/09/21 09:23	06/10/21 05:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*10 - 150*	*06/09/21 09:23*	*06/10/21 05:17*	*1*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*06/09/21 09:23*	*06/10/21 05:17*	*1*
Tetrachloro-m-xylene	*100*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:17*	*1*
Tetrachloro-m-xylene	*93*		*10 - 133*	*06/09/21 09:23*	*06/10/21 05:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-783169/2-A
Matrix: Solid
Analysis Batch: 783353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.149		mg/Kg		112	70 - 140
4,4'-DDD	0.133	0.128		mg/Kg		96	70 - 140
4,4'-DDE	0.133	0.150		mg/Kg		113	71 - 137
4,4'-DDE	0.133	0.133		mg/Kg		100	71 - 137
4,4'-DDT	0.133	0.136		mg/Kg		102	63 - 131
4,4'-DDT	0.133	0.121		mg/Kg		91	63 - 131
Aldrin	0.133	0.149		mg/Kg		112	74 - 140
Aldrin	0.133	0.127		mg/Kg		95	74 - 140
alpha-BHC	0.133	0.146		mg/Kg		109	72 - 142
alpha-BHC	0.133	0.132		mg/Kg		99	72 - 142
beta-BHC	0.133	0.144		mg/Kg		108	65 - 137
beta-BHC	0.133	0.133		mg/Kg		100	65 - 137
delta-BHC	0.133	0.149		mg/Kg		112	70 - 143
delta-BHC	0.133	0.132		mg/Kg		99	70 - 143
Dieldrin	0.133	0.147		mg/Kg		110	70 - 135
Dieldrin	0.133	0.132		mg/Kg		99	70 - 135
Endosulfan I	0.133	0.147		mg/Kg		110	68 - 135
Endosulfan I	0.133	0.132		mg/Kg		99	68 - 135
Endosulfan II	0.133	0.153		mg/Kg		115	64 - 130
Endosulfan II	0.133	0.139		mg/Kg		104	64 - 130
Endosulfan sulfate	0.133	0.148		mg/Kg		111	66 - 143
Endosulfan sulfate	0.133	0.121		mg/Kg		90	66 - 143
Endrin	0.133	0.146		mg/Kg		110	68 - 136
Endrin	0.133	0.130		mg/Kg		98	68 - 136
Endrin aldehyde	0.133	0.145		mg/Kg		109	68 - 132
Endrin aldehyde	0.133	0.129		mg/Kg		97	68 - 132
Endrin ketone	0.133	0.144		mg/Kg		108	60 - 150
Endrin ketone	0.133	0.126		mg/Kg		94	60 - 150
gamma-BHC (Lindane)	0.133	0.145		mg/Kg		108	70 - 134
gamma-BHC (Lindane)	0.133	0.136		mg/Kg		102	70 - 134
Heptachlor	0.133	0.138		mg/Kg		104	69 - 134
Heptachlor	0.133	0.119		mg/Kg		89	69 - 134
Heptachlor epoxide	0.133	0.143		mg/Kg		108	70 - 135
Heptachlor epoxide	0.133	0.125		mg/Kg		94	70 - 135
Methoxychlor	0.133	0.126		mg/Kg		94	57 - 135
Methoxychlor	0.133	0.109		mg/Kg		82	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*10 - 150*
DCB Decachlorobiphenyl	*101*		*10 - 150*
Tetrachloro-m-xylene	*95*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783169/3-A
Matrix: Solid
Analysis Batch: 783353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783169

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.145		mg/Kg		109	70 - 140	3	30
4,4'-DDD			0.133	0.131		mg/Kg		98	70 - 140	2	30
4,4'-DDE			0.133	0.146		mg/Kg		110	71 - 137	3	30
4,4'-DDE			0.133	0.136		mg/Kg		102	71 - 137	2	30
4,4'-DDT			0.133	0.133		mg/Kg		100	63 - 131	2	30
4,4'-DDT			0.133	0.124		mg/Kg		93	63 - 131	3	30
Aldrin			0.133	0.145		mg/Kg		109	74 - 140	3	30
Aldrin			0.133	0.128		mg/Kg		96	74 - 140	1	30
alpha-BHC			0.133	0.142		mg/Kg		107	72 - 142	3	30
alpha-BHC			0.133	0.133		mg/Kg		99	72 - 142	1	30
beta-BHC			0.133	0.141		mg/Kg		106	65 - 137	2	30
beta-BHC			0.133	0.135		mg/Kg		101	65 - 137	1	30
delta-BHC			0.133	0.146		mg/Kg		109	70 - 143	2	30
delta-BHC			0.133	0.133		mg/Kg		100	70 - 143	1	30
Dieldrin			0.133	0.143		mg/Kg		107	70 - 135	3	30
Dieldrin			0.133	0.134		mg/Kg		101	70 - 135	2	30
Endosulfan I			0.133	0.143		mg/Kg		107	68 - 135	3	30
Endosulfan I			0.133	0.134		mg/Kg		101	68 - 135	2	30
Endosulfan II			0.133	0.150		mg/Kg		112	64 - 130	3	30
Endosulfan II			0.133	0.142		mg/Kg		107	64 - 130	2	30
Endosulfan sulfate			0.133	0.144		mg/Kg		108	66 - 143	3	30
Endosulfan sulfate			0.133	0.123		mg/Kg		92	66 - 143	2	30
Endrin			0.133	0.142		mg/Kg		107	68 - 136	3	30
Endrin			0.133	0.133		mg/Kg		100	68 - 136	2	30
Endrin aldehyde			0.133	0.142		mg/Kg		107	68 - 132	2	30
Endrin aldehyde			0.133	0.131		mg/Kg		98	68 - 132	2	30
Endrin ketone			0.133	0.141		mg/Kg		106	60 - 150	2	30
Endrin ketone			0.133	0.129		mg/Kg		96	60 - 150	2	30
gamma-BHC (Lindane)			0.133	0.141		mg/Kg		106	70 - 134	2	30
gamma-BHC (Lindane)			0.133	0.137		mg/Kg		103	70 - 134	1	30
Heptachlor			0.133	0.135		mg/Kg		101	69 - 134	2	30
Heptachlor			0.133	0.120		mg/Kg		90	69 - 134	1	30
Heptachlor epoxide			0.133	0.140		mg/Kg		105	70 - 135	3	30
Heptachlor epoxide			0.133	0.127		mg/Kg		95	70 - 135	2	30
Methoxychlor			0.133	0.123		mg/Kg		93	57 - 135	2	30
Methoxychlor			0.133	0.111		mg/Kg		83	57 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*10 - 150*
DCB Decachlorobiphenyl	*95*		*10 - 150*
Tetrachloro-m-xylene	*89*		*10 - 133*
Tetrachloro-m-xylene	*86*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236013-A-1-G MS
Matrix: Solid
Analysis Batch: 783353

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0093	U	0.184	0.258		mg/Kg	☼	140	70 - 140
4,4'-DDD	0.0093	U	0.184	0.226		mg/Kg	☼	122	70 - 140
4,4'-DDE	0.0093	U	0.184	0.248		mg/Kg	☼	135	71 - 137
4,4'-DDE	0.0093	U	0.184	0.222		mg/Kg	☼	120	71 - 137
4,4'-DDT	0.0093	U	0.184	0.266	*	mg/Kg	☼	145	63 - 131
4,4'-DDT	0.0093	U	0.184	0.230		mg/Kg	☼	125	63 - 131
Aldrin	0.0093	U	0.184	0.249		mg/Kg	☼	135	74 - 140
Aldrin	0.0093	U	0.184	0.210		mg/Kg	☼	114	74 - 140
alpha-BHC	0.0028	U	0.184	0.248		mg/Kg	☼	135	72 - 142
alpha-BHC	0.0028	U	0.184	0.221		mg/Kg	☼	120	72 - 142
beta-BHC	0.0028	U	0.184	0.249		mg/Kg	☼	135	65 - 137
beta-BHC	0.0028	U	0.184	0.231		mg/Kg	☼	126	65 - 137
delta-BHC	0.0028	U	0.184	0.261		mg/Kg	☼	141	70 - 143
delta-BHC	0.0028	U	0.184	0.231		mg/Kg	☼	125	70 - 143
Dieldrin	0.0028	U	0.184	0.252	*	mg/Kg	☼	137	70 - 135
Dieldrin	0.0028	U	0.184	0.226		mg/Kg	☼	123	70 - 135
Endosulfan I	0.0093	U	0.184	0.248		mg/Kg	☼	135	68 - 135
Endosulfan I	0.0093	U	0.184	0.223		mg/Kg	☼	121	68 - 135
Endosulfan II	0.0093	U	0.184	0.263	*	mg/Kg	☼	142	64 - 130
Endosulfan II	0.0093	U	0.184	0.241	*	mg/Kg	☼	131	64 - 130
Endosulfan sulfate	0.0093	U	0.184	0.256		mg/Kg	☼	139	66 - 143
Endosulfan sulfate	0.0093	U	0.184	0.209		mg/Kg	☼	114	66 - 143
Endrin	0.0093	U	0.184	0.253	*	mg/Kg	☼	137	68 - 136
Endrin	0.0093	U	0.184	0.229		mg/Kg	☼	124	68 - 136
Endrin aldehyde	0.0093	U	0.184	0.208		mg/Kg	☼	113	68 - 132
Endrin aldehyde	0.0093	U	0.184	0.185		mg/Kg	☼	100	68 - 132
Endrin ketone	0.0093	U	0.184	0.262		mg/Kg	☼	142	60 - 150
Endrin ketone	0.0093	U	0.184	0.228		mg/Kg	☼	124	60 - 150
gamma-BHC (Lindane)	0.0028	U	0.184	0.248	*	mg/Kg	☼	135	70 - 134
gamma-BHC (Lindane)	0.0028	U	0.184	0.222		mg/Kg	☼	120	70 - 134
Heptachlor	0.0093	U	0.184	0.250	*	mg/Kg	☼	136	69 - 134
Heptachlor	0.0093	U	0.184	0.212		mg/Kg	☼	115	69 - 134
Heptachlor epoxide	0.0093	U	0.184	0.243		mg/Kg	☼	132	70 - 135
Heptachlor epoxide	0.0093	U	0.184	0.212		mg/Kg	☼	115	70 - 135
Methoxychlor	0.0093	U	0.184	0.262	*	mg/Kg	☼	142	57 - 135
Methoxychlor	0.0093	U	0.184	0.213		mg/Kg	☼	116	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*10 - 150*
DCB Decachlorobiphenyl	*123*		*10 - 150*
Tetrachloro-m-xylene	*100*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236013-A-1-H MSD
Matrix: Solid
Analysis Batch: 783353

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0093	U	0.184	0.243		mg/Kg	☼	132	70 - 140	6	30
4,4'-DDD	0.0093	U	0.184	0.218		mg/Kg	☼	118	70 - 140	3	30
4,4'-DDE	0.0093	U	0.184	0.232		mg/Kg	☼	126	71 - 137	7	30
4,4'-DDE	0.0093	U	0.184	0.214		mg/Kg	☼	116	71 - 137	4	30
4,4'-DDT	0.0093	U	0.184	0.247	*	mg/Kg	☼	134	63 - 131	8	30
4,4'-DDT	0.0093	U	0.184	0.219		mg/Kg	☼	119	63 - 131	5	30
Aldrin	0.0093	U	0.184	0.233		mg/Kg	☼	127	74 - 140	7	30
Aldrin	0.0093	U	0.184	0.203		mg/Kg	☼	110	74 - 140	3	30
alpha-BHC	0.0028	U	0.184	0.230		mg/Kg	☼	125	72 - 142	8	30
alpha-BHC	0.0028	U	0.184	0.211		mg/Kg	☼	114	72 - 142	5	30
beta-BHC	0.0028	U	0.184	0.232		mg/Kg	☼	126	65 - 137	7	30
beta-BHC	0.0028	U	0.184	0.222		mg/Kg	☼	121	65 - 137	4	30
delta-BHC	0.0028	U	0.184	0.240		mg/Kg	☼	130	70 - 143	8	30
delta-BHC	0.0028	U	0.184	0.219		mg/Kg	☼	119	70 - 143	5	30
Dieldrin	0.0028	U	0.184	0.235		mg/Kg	☼	127	70 - 135	7	30
Dieldrin	0.0028	U	0.184	0.218		mg/Kg	☼	118	70 - 135	4	30
Endosulfan I	0.0093	U	0.184	0.230		mg/Kg	☼	125	68 - 135	7	30
Endosulfan I	0.0093	U	0.184	0.214		mg/Kg	☼	116	68 - 135	4	30
Endosulfan II	0.0093	U	0.184	0.240		mg/Kg	☼	130	64 - 130	9	30
Endosulfan II	0.0093	U	0.184	0.227		mg/Kg	☼	123	64 - 130	6	30
Endosulfan sulfate	0.0093	U	0.184	0.229		mg/Kg	☼	124	66 - 143	11	30
Endosulfan sulfate	0.0093	U	0.184	0.193		mg/Kg	☼	104	66 - 143	8	30
Endrin	0.0093	U	0.184	0.238		mg/Kg	☼	129	68 - 136	6	30
Endrin	0.0093	U	0.184	0.219		mg/Kg	☼	119	68 - 136	4	30
Endrin aldehyde	0.0093	U	0.184	0.182		mg/Kg	☼	99	68 - 132	13	30
Endrin aldehyde	0.0093	U	0.184	0.167		mg/Kg	☼	91	68 - 132	10	30
Endrin ketone	0.0093	U	0.184	0.238		mg/Kg	☼	129	60 - 150	10	30
Endrin ketone	0.0093	U	0.184	0.214		mg/Kg	☼	116	60 - 150	6	30
gamma-BHC (Lindane)	0.0028	U	0.184	0.229		mg/Kg	☼	124	70 - 134	8	30
gamma-BHC (Lindane)	0.0028	U	0.184	0.212		mg/Kg	☼	115	70 - 134	5	30
Heptachlor	0.0093	U	0.184	0.231		mg/Kg	☼	125	69 - 134	8	30
Heptachlor	0.0093	U	0.184	0.204		mg/Kg	☼	111	69 - 134	4	30
Heptachlor epoxide	0.0093	U	0.184	0.227		mg/Kg	☼	123	70 - 135	7	30
Heptachlor epoxide	0.0093	U	0.184	0.204		mg/Kg	☼	111	70 - 135	4	30
Methoxychlor	0.0093	U	0.184	0.243		mg/Kg	☼	132	57 - 135	8	30
Methoxychlor	0.0093	U	0.184	0.203		mg/Kg	☼	110	57 - 135	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*110*		*10 - 150*
Tetrachloro-m-xylene	*103*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-783244/1-A
Matrix: Solid
Analysis Batch: 783347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/09/21 14:52	06/10/21 05:05	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/09/21 14:52	06/10/21 05:05	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/09/21 14:52	06/10/21 05:05	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/09/21 14:52	06/10/21 05:05	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/09/21 14:52	06/10/21 05:05	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/09/21 14:52	06/10/21 05:05	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/09/21 14:52	06/10/21 05:05	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/09/21 14:52	06/10/21 05:05	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/09/21 14:52	06/10/21 05:05	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/09/21 14:52	06/10/21 05:05	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/09/21 14:52	06/10/21 05:05	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/09/21 14:52	06/10/21 05:05	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/09/21 14:52	06/10/21 05:05	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/09/21 14:52	06/10/21 05:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*06/09/21 14:52*	*06/10/21 05:05*	*1*
DCB Decachlorobiphenyl	*63*		*10 - 150*	*06/09/21 14:52*	*06/10/21 05:05*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*06/09/21 14:52*	*06/10/21 05:05*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*06/09/21 14:52*	*06/10/21 05:05*	*1*

Lab Sample ID: LCS 460-783244/2-A
Matrix: Solid
Analysis Batch: 783347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-Chlordane	0.000800	0.000838		mg/L		105	64 - 130
cis-Chlordane	0.000800	0.000887		mg/L		111	64 - 130
trans-Chlordane	0.000800	0.000848		mg/L		106	65 - 132
trans-Chlordane	0.000800	0.000890		mg/L		111	65 - 132
Endrin	0.000800	0.000886		mg/L		111	67 - 132
Endrin	0.000800	0.000941		mg/L		118	67 - 132
gamma-BHC (Lindane)	0.000800	0.000844		mg/L		106	65 - 134
gamma-BHC (Lindane)	0.000800	0.000880		mg/L		110	65 - 134
Heptachlor	0.000800	0.000836		mg/L		105	63 - 128
Heptachlor	0.000800	0.000894		mg/L		112	63 - 128
Heptachlor epoxide	0.000800	0.000842		mg/L		105	66 - 128
Heptachlor epoxide	0.000800	0.000884		mg/L		111	66 - 128
Methoxychlor	0.000800	0.000810		mg/L		101	42 - 151
Methoxychlor	0.000800	0.000915		mg/L		114	42 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*59*		*10 - 150*
DCB Decachlorobiphenyl	*61*		*10 - 150*
Tetrachloro-m-xylene	*57*		*10 - 150*
Tetrachloro-m-xylene	*60*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783244/3-A
Matrix: Solid
Analysis Batch: 783347

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783244

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000748		mg/L		94	64 - 130	11	30
cis-Chlordane			0.000800	0.000789		mg/L		99	64 - 130	12	30
trans-Chlordane			0.000800	0.000753		mg/L		94	65 - 132	12	30
trans-Chlordane			0.000800	0.000792		mg/L		99	65 - 132	12	30
Endrin			0.000800	0.000801		mg/L		100	67 - 132	10	30
Endrin			0.000800	0.000830		mg/L		104	67 - 132	13	30
gamma-BHC (Lindane)			0.000800	0.000782		mg/L		98	65 - 134	8	30
gamma-BHC (Lindane)			0.000800	0.000786		mg/L		98	65 - 134	11	30
Heptachlor			0.000800	0.000770		mg/L		96	63 - 128	8	30
Heptachlor			0.000800	0.000796		mg/L		100	63 - 128	12	30
Heptachlor epoxide			0.000800	0.000752		mg/L		94	66 - 128	11	30
Heptachlor epoxide			0.000800	0.000786		mg/L		98	66 - 128	12	30
Methoxychlor			0.000800	0.000749		mg/L		94	42 - 151	8	30
Methoxychlor			0.000800	0.000809		mg/L		101	42 - 151	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*10 - 150*
DCB Decachlorobiphenyl	*55*		*10 - 150*
Tetrachloro-m-xylene	*54*		*10 - 150*
Tetrachloro-m-xylene	*56*		*10 - 150*

Lab Sample ID: MB 460-783443/1-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/10/21 09:49	06/11/21 05:22	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-783443/1-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/10/21 09:49	06/11/21 05:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/10/21 09:49	06/11/21 05:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*125*		*10 - 150*	*06/10/21 09:49*	*06/11/21 05:22*	*1*
DCB Decachlorobiphenyl	*116*		*10 - 150*	*06/10/21 09:49*	*06/11/21 05:22*	*1*
Tetrachloro-m-xylene	*103*		*10 - 133*	*06/10/21 09:49*	*06/11/21 05:22*	*1*
Tetrachloro-m-xylene	*97*		*10 - 133*	*06/10/21 09:49*	*06/11/21 05:22*	*1*

Lab Sample ID: LCS 460-783443/2-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.159		mg/Kg		119	70 - 140
4,4'-DDD	0.133	0.139		mg/Kg		104	70 - 140
4,4'-DDE	0.133	0.156		mg/Kg		117	71 - 137
4,4'-DDE	0.133	0.141		mg/Kg		106	71 - 137
4,4'-DDT	0.133	0.161		mg/Kg		121	63 - 131
4,4'-DDT	0.133	0.138		mg/Kg		103	63 - 131
Aldrin	0.133	0.156		mg/Kg		117	74 - 140
Aldrin	0.133	0.134		mg/Kg		100	74 - 140
alpha-BHC	0.133	0.151		mg/Kg		113	72 - 142
alpha-BHC	0.133	0.138		mg/Kg		103	72 - 142
beta-BHC	0.133	0.150		mg/Kg		113	65 - 137
beta-BHC	0.133	0.140		mg/Kg		105	65 - 137
delta-BHC	0.133	0.157		mg/Kg		117	70 - 143
delta-BHC	0.133	0.141		mg/Kg		105	70 - 143
Dieldrin	0.133	0.155		mg/Kg		116	70 - 135
Dieldrin	0.133	0.140		mg/Kg		105	70 - 135
Endosulfan I	0.133	0.154		mg/Kg		115	68 - 135
Endosulfan I	0.133	0.139		mg/Kg		104	68 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-783443/2-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783443

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan II			0.133	0.163		mg/Kg		123	64 - 130		
Endosulfan II			0.133	0.150		mg/Kg		113	64 - 130		
Endosulfan sulfate			0.133	0.163		mg/Kg		122	66 - 143		
Endosulfan sulfate			0.133	0.134		mg/Kg		100	66 - 143		
Endrin			0.133	0.157		mg/Kg		118	68 - 136		
Endrin			0.133	0.142		mg/Kg		106	68 - 136		
Endrin aldehyde			0.133	0.154		mg/Kg		115	68 - 132		
Endrin aldehyde			0.133	0.137		mg/Kg		102	68 - 132		
Endrin ketone			0.133	0.156		mg/Kg		117	60 - 150		
Endrin ketone			0.133	0.134		mg/Kg		101	60 - 150		
gamma-BHC (Lindane)			0.133	0.153		mg/Kg		115	70 - 134		
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	70 - 134		
Heptachlor			0.133	0.154		mg/Kg		116	69 - 134		
Heptachlor			0.133	0.132		mg/Kg		99	69 - 134		
Heptachlor epoxide			0.133	0.150		mg/Kg		113	70 - 135		
Heptachlor epoxide			0.133	0.132		mg/Kg		99	70 - 135		
Methoxychlor			0.133	0.154		mg/Kg		116	57 - 135		
Methoxychlor			0.133	0.126		mg/Kg		94	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*10 - 150*
DCB Decachlorobiphenyl	*101*		*10 - 150*
Tetrachloro-m-xylene	*95*		*10 - 133*
Tetrachloro-m-xylene	*84*		*10 - 133*

Lab Sample ID: LCSD 460-783443/3-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783443

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.164		mg/Kg		123	70 - 140	3	30
4,4'-DDD			0.133	0.142		mg/Kg		107	70 - 140	2	30
4,4'-DDE			0.133	0.161		mg/Kg		121	71 - 137	3	30
4,4'-DDE			0.133	0.144		mg/Kg		108	71 - 137	2	30
4,4'-DDT			0.133	0.166		mg/Kg		124	63 - 131	3	30
4,4'-DDT			0.133	0.141		mg/Kg		106	63 - 131	2	30
Aldrin			0.133	0.158		mg/Kg		119	74 - 140	2	30
Aldrin			0.133	0.136		mg/Kg		102	74 - 140	2	30
alpha-BHC			0.133	0.154		mg/Kg		115	72 - 142	2	30
alpha-BHC			0.133	0.140		mg/Kg		105	72 - 142	1	30
beta-BHC			0.133	0.153		mg/Kg		115	65 - 137	2	30
beta-BHC			0.133	0.142		mg/Kg		107	65 - 137	2	30
delta-BHC			0.133	0.159		mg/Kg		120	70 - 143	2	30
delta-BHC			0.133	0.143		mg/Kg		107	70 - 143	2	30
Dieldrin			0.133	0.160		mg/Kg		120	70 - 135	3	30
Dieldrin			0.133	0.143		mg/Kg		107	70 - 135	2	30
Endosulfan I			0.133	0.158		mg/Kg		119	68 - 135	3	30
Endosulfan I			0.133	0.142		mg/Kg		106	68 - 135	2	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783443/3-A
Matrix: Solid
Analysis Batch: 783597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783443

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan II			0.133	0.169		mg/Kg		126	64 - 130	3	30
Endosulfan II			0.133	0.154		mg/Kg		116	64 - 130	3	30
Endosulfan sulfate			0.133	0.168		mg/Kg		126	66 - 143	3	30
Endosulfan sulfate			0.133	0.137		mg/Kg		102	66 - 143	2	30
Endrin			0.133	0.161		mg/Kg		121	68 - 136	3	30
Endrin			0.133	0.145		mg/Kg		109	68 - 136	2	30
Endrin aldehyde			0.133	0.158		mg/Kg		118	68 - 132	3	30
Endrin aldehyde			0.133	0.140		mg/Kg		105	68 - 132	2	30
Endrin ketone			0.133	0.160		mg/Kg		120	60 - 150	3	30
Endrin ketone			0.133	0.136		mg/Kg		102	60 - 150	1	30
gamma-BHC (Lindane)			0.133	0.155		mg/Kg		116	70 - 134	2	30
gamma-BHC (Lindane)			0.133	0.140		mg/Kg		105	70 - 134	1	30
Heptachlor			0.133	0.157		mg/Kg		118	69 - 134	2	30
Heptachlor			0.133	0.134		mg/Kg		101	69 - 134	2	30
Heptachlor epoxide			0.133	0.153		mg/Kg		115	70 - 135	2	30
Heptachlor epoxide			0.133	0.135		mg/Kg		101	70 - 135	2	30
Methoxychlor			0.133	0.158		mg/Kg		119	57 - 135	3	30
Methoxychlor			0.133	0.128		mg/Kg		96	57 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*106*		*10 - 150*
DCB Decachlorobiphenyl	*104*		*10 - 150*
Tetrachloro-m-xylene	*89*		*10 - 133*
Tetrachloro-m-xylene	*85*		*10 - 133*

Lab Sample ID: MB 460-783671/1-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/11/21 09:56	06/14/21 05:15	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-783671/1-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/11/21 09:56	06/14/21 05:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/11/21 09:56	06/14/21 05:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*06/11/21 09:56*	*06/14/21 05:15*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/11/21 09:56*	*06/14/21 05:15*	*1*
Tetrachloro-m-xylene	*91*		*10 - 133*	*06/11/21 09:56*	*06/14/21 05:15*	*1*
Tetrachloro-m-xylene	*88*		*10 - 133*	*06/11/21 09:56*	*06/14/21 05:15*	*1*

Lab Sample ID: LCS 460-783671/2-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.130		mg/Kg		97	70 - 140
4,4'-DDD	0.133	0.135		mg/Kg		101	70 - 140
4,4'-DDE	0.133	0.132		mg/Kg		99	71 - 137
4,4'-DDE	0.133	0.137		mg/Kg		102	71 - 137
4,4'-DDT	0.133	0.137		mg/Kg		103	63 - 131
4,4'-DDT	0.133	0.137		mg/Kg		103	63 - 131
Aldrin	0.133	0.127		mg/Kg		95	74 - 140
Aldrin	0.133	0.128		mg/Kg		96	74 - 140
alpha-BHC	0.133	0.124		mg/Kg		93	72 - 142
alpha-BHC	0.133	0.131		mg/Kg		98	72 - 142
beta-BHC	0.133	0.140		mg/Kg		105	65 - 137
beta-BHC	0.133	0.141		mg/Kg		106	65 - 137
delta-BHC	0.133	0.134		mg/Kg		100	70 - 143
delta-BHC	0.133	0.132		mg/Kg		99	70 - 143

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-783671/2-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135		
Dieldrin			0.133	0.139		mg/Kg		104	70 - 135		
Endosulfan I			0.133	0.131		mg/Kg		98	68 - 135		
Endosulfan I			0.133	0.136		mg/Kg		102	68 - 135		
Endosulfan II			0.133	0.135		mg/Kg		101	64 - 130		
Endosulfan II			0.133	0.139		mg/Kg		104	64 - 130		
Endosulfan sulfate			0.133	0.133		mg/Kg		99	66 - 143		
Endosulfan sulfate			0.133	0.132		mg/Kg		99	66 - 143		
Endrin			0.133	0.128		mg/Kg		96	68 - 136		
Endrin			0.133	0.135		mg/Kg		101	68 - 136		
Endrin aldehyde			0.133	0.139		mg/Kg		104	68 - 132		
Endrin aldehyde			0.133	0.133		mg/Kg		99	68 - 132		
Endrin ketone			0.133	0.143		mg/Kg		107	60 - 150		
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 150		
gamma-BHC (Lindane)			0.133	0.129		mg/Kg		97	70 - 134		
gamma-BHC (Lindane)			0.133	0.134		mg/Kg		101	70 - 134		
Heptachlor			0.133	0.132		mg/Kg		99	69 - 134		
Heptachlor			0.133	0.127		mg/Kg		95	69 - 134		
Heptachlor epoxide			0.133	0.130		mg/Kg		98	70 - 135		
Heptachlor epoxide			0.133	0.134		mg/Kg		100	70 - 135		
Methoxychlor			0.133	0.137		mg/Kg		102	57 - 135		
Methoxychlor			0.133	0.127		mg/Kg		96	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*85*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*82*		*10 - 133*

Lab Sample ID: LCSD 460-783671/3-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.125		mg/Kg		94	70 - 140	4	30
4,4'-DDD			0.133	0.135		mg/Kg		102	70 - 140	0	30
4,4'-DDE			0.133	0.124		mg/Kg		93	71 - 137	6	30
4,4'-DDE			0.133	0.138		mg/Kg		103	71 - 137	1	30
4,4'-DDT			0.133	0.129		mg/Kg		97	63 - 131	6	30
4,4'-DDT			0.133	0.137		mg/Kg		103	63 - 131	0	30
Aldrin			0.133	0.119		mg/Kg		89	74 - 140	6	30
Aldrin			0.133	0.129		mg/Kg		96	74 - 140	0	30
alpha-BHC			0.133	0.120		mg/Kg		90	72 - 142	4	30
alpha-BHC			0.133	0.130		mg/Kg		98	72 - 142	1	30
beta-BHC			0.133	0.136		mg/Kg		102	65 - 137	3	30
beta-BHC			0.133	0.141		mg/Kg		105	65 - 137	0	30
delta-BHC			0.133	0.129		mg/Kg		97	70 - 143	4	30
delta-BHC			0.133	0.132		mg/Kg		99	70 - 143	0	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783671/3-A
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dieldrin			0.133	0.127		mg/Kg		95	70 - 135	4	30
Dieldrin			0.133	0.139		mg/Kg		104	70 - 135	0	30
Endosulfan I			0.133	0.126		mg/Kg		95	68 - 135	4	30
Endosulfan I			0.133	0.137		mg/Kg		102	68 - 135	0	30
Endosulfan II			0.133	0.127		mg/Kg		95	64 - 130	6	30
Endosulfan II			0.133	0.139		mg/Kg		104	64 - 130	0	30
Endosulfan sulfate			0.133	0.125		mg/Kg		94	66 - 143	6	30
Endosulfan sulfate			0.133	0.131		mg/Kg		98	66 - 143	1	30
Endrin			0.133	0.121		mg/Kg		91	68 - 136	5	30
Endrin			0.133	0.135		mg/Kg		101	68 - 136	0	30
Endrin aldehyde			0.133	0.126		mg/Kg		94	68 - 132	10	30
Endrin aldehyde			0.133	0.132		mg/Kg		99	68 - 132	1	30
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 150	7	30
Endrin ketone			0.133	0.131		mg/Kg		98	60 - 150	2	30
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		94	70 - 134	3	30
gamma-BHC (Lindane)			0.133	0.134		mg/Kg		100	70 - 134	0	30
Heptachlor			0.133	0.125		mg/Kg		94	69 - 134	5	30
Heptachlor			0.133	0.127		mg/Kg		95	69 - 134	0	30
Heptachlor epoxide			0.133	0.126		mg/Kg		94	70 - 135	4	30
Heptachlor epoxide			0.133	0.134		mg/Kg		100	70 - 135	0	30
Methoxychlor			0.133	0.127		mg/Kg		95	57 - 135	8	30
Methoxychlor			0.133	0.127		mg/Kg		95	57 - 135	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*84*		*10 - 133*
Tetrachloro-m-xylene	*82*		*10 - 133*

Lab Sample ID: 460-236152-H-1-F MS
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	0.0082	U	0.164	0.204		mg/Kg	☼	124	70 - 140		
4,4'-DDD	0.0082	U	0.164	0.205		mg/Kg	☼	125	70 - 140		
4,4'-DDE	0.0082	U	0.164	0.178		mg/Kg	☼	109	71 - 137		
4,4'-DDE	0.0082	U	0.164	0.205		mg/Kg	☼	125	71 - 137		
4,4'-DDT	0.0082	U	0.164	0.200		mg/Kg	☼	122	63 - 131		
4,4'-DDT	0.0082	U	0.164	0.205		mg/Kg	☼	125	63 - 131		
Aldrin	0.0082	U	0.164	0.176		mg/Kg	☼	107	74 - 140		
Aldrin	0.0082	U	0.164	0.192		mg/Kg	☼	117	74 - 140		
alpha-BHC	0.0025	U	0.164	0.135		mg/Kg	☼	82	72 - 142		
alpha-BHC	0.0025	U	0.164	0.149		mg/Kg	☼	91	72 - 142		
beta-BHC	0.0025	U	0.164	0.193		mg/Kg	☼	118	65 - 137		
beta-BHC	0.0025	U	0.164	0.206		mg/Kg	☼	126	65 - 137		
delta-BHC	0.0025	U	0.164	0.0957	*	mg/Kg	☼	58	70 - 143		
delta-BHC	0.0025	U	0.164	0.100	*	mg/Kg	☼	61	70 - 143		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236152-H-1-F MS
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	0.0025	U	0.164	0.180		mg/Kg	☼	110	70 - 135
Dieldrin	0.0025	U	0.164	0.206		mg/Kg	☼	126	70 - 135
Endosulfan I	0.0082	U	0.164	0.144		mg/Kg	☼	88	68 - 135
Endosulfan I	0.0082	U	0.164	0.160		mg/Kg	☼	97	68 - 135
Endosulfan II	0.0082	U	0.164	0.150		mg/Kg	☼	92	64 - 130
Endosulfan II	0.0082	U	0.164	0.163		mg/Kg	☼	99	64 - 130
Endosulfan sulfate	0.0082	U	0.164	0.148		mg/Kg	☼	90	66 - 143
Endosulfan sulfate	0.0082	U	0.164	0.157		mg/Kg	☼	96	66 - 143
Endrin	0.0082	U	0.164	0.181		mg/Kg	☼	110	68 - 136
Endrin	0.0082	U	0.164	0.208		mg/Kg	☼	127	68 - 136
Endrin aldehyde	0.0082	U	0.164	0.141		mg/Kg	☼	86	68 - 132
Endrin aldehyde	0.0082	U	0.164	0.159		mg/Kg	☼	97	68 - 132
Endrin ketone	0.0082	U	0.164	0.181		mg/Kg	☼	110	60 - 150
Endrin ketone	0.0082	U	0.164	0.189		mg/Kg	☼	115	60 - 150
gamma-BHC (Lindane)	0.0025	U	0.164	0.145		mg/Kg	☼	88	70 - 134
gamma-BHC (Lindane)	0.0025	U	0.164	0.156		mg/Kg	☼	95	70 - 134
Heptachlor	0.0082	U	0.164	0.183		mg/Kg	☼	111	69 - 134
Heptachlor	0.0082	U	0.164	0.188		mg/Kg	☼	115	69 - 134
Heptachlor epoxide	0.0082	U	0.164	0.178		mg/Kg	☼	109	70 - 135
Heptachlor epoxide	0.0082	U	0.164	0.194		mg/Kg	☼	118	70 - 135
Methoxychlor	0.0082	U	0.164	0.183		mg/Kg	☼	112	57 - 135
Methoxychlor	0.0082	U	0.164	0.195		mg/Kg	☼	119	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*78*		*10 - 133*

Lab Sample ID: 460-236152-H-1-G MSD
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0082	U	0.164	0.201		mg/Kg	☼	122	70 - 140	2	30
4,4'-DDD	0.0082	U	0.164	0.188		mg/Kg	☼	114	70 - 140	9	30
4,4'-DDE	0.0082	U	0.164	0.176		mg/Kg	☼	108	71 - 137	1	30
4,4'-DDE	0.0082	U	0.164	0.185		mg/Kg	☼	113	71 - 137	10	30
4,4'-DDT	0.0082	U	0.164	0.195		mg/Kg	☼	119	63 - 131	3	30
4,4'-DDT	0.0082	U	0.164	0.189		mg/Kg	☼	115	63 - 131	8	30
Aldrin	0.0082	U	0.164	0.167		mg/Kg	☼	102	74 - 140	5	30
Aldrin	0.0082	U	0.164	0.177		mg/Kg	☼	108	74 - 140	8	30
alpha-BHC	0.0025	U	0.164	0.131		mg/Kg	☼	80	72 - 142	3	30
alpha-BHC	0.0025	U	0.164	0.141		mg/Kg	☼	86	72 - 142	5	30
beta-BHC	0.0025	U	0.164	0.183		mg/Kg	☼	112	65 - 137	5	30
beta-BHC	0.0025	U	0.164	0.194		mg/Kg	☼	118	65 - 137	6	30
delta-BHC	0.0025	U	0.164	0.0913	*	mg/Kg	☼	56	70 - 143	5	30
delta-BHC	0.0025	U	0.164	0.0950	*	mg/Kg	☼	58	70 - 143	5	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236152-H-1-G MSD
Matrix: Solid
Analysis Batch: 783997

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dieldrin	0.0025	U	0.164	0.175		mg/Kg	☼	107	70 - 135	3	30
Dieldrin	0.0025	U	0.164	0.186		mg/Kg	☼	113	70 - 135	10	30
Endosulfan I	0.0082	U	0.164	0.143		mg/Kg	☼	87	68 - 135	1	30
Endosulfan I	0.0082	U	0.164	0.141		mg/Kg	☼	86	68 - 135	12	30
Endosulfan II	0.0082	U	0.164	0.147		mg/Kg	☼	90	64 - 130	2	30
Endosulfan II	0.0082	U	0.164	0.148		mg/Kg	☼	90	64 - 130	9	30
Endosulfan sulfate	0.0082	U	0.164	0.151		mg/Kg	☼	92	66 - 143	2	30
Endosulfan sulfate	0.0082	U	0.164	0.148		mg/Kg	☼	90	66 - 143	6	30
Endrin	0.0082	U	0.164	0.171		mg/Kg	☼	104	68 - 136	6	30
Endrin	0.0082	U	0.164	0.188		mg/Kg	☼	115	68 - 136	10	30
Endrin aldehyde	0.0082	U	0.164	0.143		mg/Kg	☼	87	68 - 132	1	30
Endrin aldehyde	0.0082	U	0.164	0.143		mg/Kg	☼	87	68 - 132	10	30
Endrin ketone	0.0082	U	0.164	0.182		mg/Kg	☼	111	60 - 150	1	30
Endrin ketone	0.0082	U	0.164	0.175		mg/Kg	☼	107	60 - 150	8	30
gamma-BHC (Lindane)	0.0025	U	0.164	0.138		mg/Kg	☼	84	70 - 134	5	30
gamma-BHC (Lindane)	0.0025	U	0.164	0.144		mg/Kg	☼	88	70 - 134	8	30
Heptachlor	0.0082	U	0.164	0.176		mg/Kg	☼	107	69 - 134	4	30
Heptachlor	0.0082	U	0.164	0.180		mg/Kg	☼	110	69 - 134	5	30
Heptachlor epoxide	0.0082	U	0.164	0.167		mg/Kg	☼	102	70 - 135	6	30
Heptachlor epoxide	0.0082	U	0.164	0.178		mg/Kg	☼	108	70 - 135	9	30
Methoxychlor	0.0082	U	0.164	0.186		mg/Kg	☼	114	57 - 135	2	30
Methoxychlor	0.0082	U	0.164	0.176		mg/Kg	☼	108	57 - 135	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*75*		*10 - 133*
Tetrachloro-m-xylene	*75*		*10 - 133*

Lab Sample ID: MB 460-783880/1-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/12/21 15:06	06/14/21 10:29	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-783880/1-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/12/21 15:06	06/14/21 10:29	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/12/21 15:06	06/14/21 10:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*06/12/21 15:06*	*06/14/21 10:29*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/12/21 15:06*	*06/14/21 10:29*	*1*
Tetrachloro-m-xylene	*86*		*10 - 133*	*06/12/21 15:06*	*06/14/21 10:29*	*1*
Tetrachloro-m-xylene	*78*		*10 - 133*	*06/12/21 15:06*	*06/14/21 10:29*	*1*

Lab Sample ID: LCS 460-783880/2-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.132		mg/Kg		99	70 - 140
4,4'-DDD	0.133	0.114		mg/Kg		85	70 - 140
4,4'-DDE	0.133	0.130		mg/Kg		97	71 - 137
4,4'-DDE	0.133	0.116		mg/Kg		87	71 - 137
4,4'-DDT	0.133	0.133		mg/Kg		99	63 - 131
4,4'-DDT	0.133	0.119		mg/Kg		90	63 - 131
Aldrin	0.133	0.124		mg/Kg		93	74 - 140
Aldrin	0.133	0.107		mg/Kg		80	74 - 140
alpha-BHC	0.133	0.126		mg/Kg		94	72 - 142
alpha-BHC	0.133	0.114		mg/Kg		85	72 - 142

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-783880/2-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783880

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
beta-BHC			0.133	0.126		mg/Kg		95	65 - 137		
beta-BHC			0.133	0.117		mg/Kg		87	65 - 137		
delta-BHC			0.133	0.129		mg/Kg		97	70 - 143		
delta-BHC			0.133	0.116		mg/Kg		87	70 - 143		
Dieldrin			0.133	0.129		mg/Kg		97	70 - 135		
Dieldrin			0.133	0.115		mg/Kg		86	70 - 135		
Endosulfan I			0.133	0.127		mg/Kg		96	68 - 135		
Endosulfan I			0.133	0.115		mg/Kg		86	68 - 135		
Endosulfan II			0.133	0.135		mg/Kg		101	64 - 130		
Endosulfan II			0.133	0.123		mg/Kg		92	64 - 130		
Endosulfan sulfate			0.133	0.135		mg/Kg		101	66 - 143		
Endosulfan sulfate			0.133	0.109		mg/Kg		82	66 - 143		
Endrin			0.133	0.129		mg/Kg		97	68 - 136		
Endrin			0.133	0.116		mg/Kg		87	68 - 136		
Endrin aldehyde			0.133	0.127		mg/Kg		95	68 - 132		
Endrin aldehyde			0.133	0.111		mg/Kg		84	68 - 132		
Endrin ketone			0.133	0.132		mg/Kg		99	60 - 150		
Endrin ketone			0.133	0.112		mg/Kg		84	60 - 150		
gamma-BHC (Lindane)			0.133	0.127		mg/Kg		95	70 - 134		
gamma-BHC (Lindane)			0.133	0.114		mg/Kg		86	70 - 134		
Heptachlor			0.133	0.129		mg/Kg		96	69 - 134		
Heptachlor			0.133	0.112		mg/Kg		84	69 - 134		
Heptachlor epoxide			0.133	0.124		mg/Kg		93	70 - 135		
Heptachlor epoxide			0.133	0.109		mg/Kg		82	70 - 135		
Methoxychlor			0.133	0.130		mg/Kg		97	57 - 135		
Methoxychlor			0.133	0.109		mg/Kg		82	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*10 - 150*
DCB Decachlorobiphenyl	*73*		*10 - 150*
Tetrachloro-m-xylene	*74*		*10 - 133*
Tetrachloro-m-xylene	*70*		*10 - 133*

Lab Sample ID: LCSD 460-783880/3-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783880

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.136		mg/Kg		102	70 - 140	3	30
4,4'-DDD			0.133	0.120		mg/Kg		90	70 - 140	5	30
4,4'-DDE			0.133	0.133		mg/Kg		100	71 - 137	3	30
4,4'-DDE			0.133	0.121		mg/Kg		91	71 - 137	4	30
4,4'-DDT			0.133	0.137		mg/Kg		103	63 - 131	3	30
4,4'-DDT			0.133	0.125		mg/Kg		94	63 - 131	5	30
Aldrin			0.133	0.127		mg/Kg		95	74 - 140	2	30
Aldrin			0.133	0.110		mg/Kg		83	74 - 140	3	30
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 142	1	30
alpha-BHC			0.133	0.117		mg/Kg		88	72 - 142	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783880/3-A
Matrix: Solid
Analysis Batch: 784001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783880

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC			0.133	0.128		mg/Kg		96	65 - 137	1	30
beta-BHC			0.133	0.120		mg/Kg		90	65 - 137	3	30
delta-BHC			0.133	0.132		mg/Kg		99	70 - 143	2	30
delta-BHC			0.133	0.120		mg/Kg		90	70 - 143	3	30
Dieldrin			0.133	0.132		mg/Kg		99	70 - 135	3	30
Dieldrin			0.133	0.120		mg/Kg		90	70 - 135	4	30
Endosulfan I			0.133	0.131		mg/Kg		98	68 - 135	3	30
Endosulfan I			0.133	0.120		mg/Kg		90	68 - 135	4	30
Endosulfan II			0.133	0.139		mg/Kg		104	64 - 130	3	30
Endosulfan II			0.133	0.129		mg/Kg		97	64 - 130	5	30
Endosulfan sulfate			0.133	0.139		mg/Kg		104	66 - 143	3	30
Endosulfan sulfate			0.133	0.114		mg/Kg		86	66 - 143	5	30
Endrin			0.133	0.133		mg/Kg		100	68 - 136	3	30
Endrin			0.133	0.122		mg/Kg		92	68 - 136	5	30
Endrin aldehyde			0.133	0.130		mg/Kg		98	68 - 132	3	30
Endrin aldehyde			0.133	0.117		mg/Kg		87	68 - 132	4	30
Endrin ketone			0.133	0.135		mg/Kg		101	60 - 150	2	30
Endrin ketone			0.133	0.117		mg/Kg		88	60 - 150	4	30
gamma-BHC (Lindane)			0.133	0.128		mg/Kg		96	70 - 134	1	30
gamma-BHC (Lindane)			0.133	0.118		mg/Kg		88	70 - 134	3	30
Heptachlor			0.133	0.131		mg/Kg		98	69 - 134	2	30
Heptachlor			0.133	0.115		mg/Kg		86	69 - 134	3	30
Heptachlor epoxide			0.133	0.127		mg/Kg		96	70 - 135	3	30
Heptachlor epoxide			0.133	0.113		mg/Kg		85	70 - 135	3	30
Methoxychlor			0.133	0.134		mg/Kg		100	57 - 135	3	30
Methoxychlor			0.133	0.114		mg/Kg		86	57 - 135	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*77*		*10 - 150*
Tetrachloro-m-xylene	*85*		*10 - 133*
Tetrachloro-m-xylene	*73*		*10 - 133*

Lab Sample ID: MB 460-783945/1-A
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 05:47	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 05:47	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 05:47	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 05:47	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 05:47	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 05:47	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 05:47	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 05:47	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 05:47	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 05:47	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-783945/1-A
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 05:47	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 05:47	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 05:47	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 05:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*06/13/21 13:58*	*06/15/21 05:47*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*06/13/21 13:58*	*06/15/21 05:47*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*06/13/21 13:58*	*06/15/21 05:47*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*06/13/21 13:58*	*06/15/21 05:47*	*1*

Lab Sample ID: LCS 460-783945/2-A
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783945

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000850		mg/L		106	64 - 130		
cis-Chlordane			0.000800	0.000733		mg/L		92	64 - 130		
trans-Chlordane			0.000800	0.000853		mg/L		107	65 - 132		
trans-Chlordane			0.000800	0.000731		mg/L		91	65 - 132		
Endrin			0.000800	0.000902		mg/L		113	67 - 132		
Endrin			0.000800	0.000791		mg/L		99	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000856		mg/L		107	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000770		mg/L		96	65 - 134		
Heptachlor			0.000800	0.000875		mg/L		109	63 - 128		
Heptachlor			0.000800	0.000751		mg/L		94	63 - 128		
Heptachlor epoxide			0.000800	0.000847		mg/L		106	66 - 128		
Heptachlor epoxide			0.000800	0.000735		mg/L		92	66 - 128		
Methoxychlor			0.000800	0.000885		mg/L		111	42 - 151		
Methoxychlor			0.000800	0.000725		mg/L		91	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*10 - 150*
DCB Decachlorobiphenyl	*56*		*10 - 150*
Tetrachloro-m-xylene	*67*		*10 - 150*
Tetrachloro-m-xylene	*58*		*10 - 150*

Lab Sample ID: LCSD 460-783945/3-A
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000865		mg/L		108	64 - 130	2	30
cis-Chlordane			0.000800	0.000735		mg/L		92	64 - 130	0	30
trans-Chlordane			0.000800	0.000870		mg/L		109	65 - 132	2	30
trans-Chlordane			0.000800	0.000735		mg/L		92	65 - 132	0	30
Endrin			0.000800	0.000917		mg/L		115	67 - 132	2	30
Endrin			0.000800	0.000794		mg/L		99	67 - 132	0	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-783945/3-A
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)			0.000800	0.000874		mg/L		109	65 - 134	2	30
gamma-BHC (Lindane)			0.000800	0.000765		mg/L		96	65 - 134	1	30
Heptachlor			0.000800	0.000893		mg/L		112	63 - 128	2	30
Heptachlor			0.000800	0.000747		mg/L		93	63 - 128	1	30
Heptachlor epoxide			0.000800	0.000865		mg/L		108	66 - 128	2	30
Heptachlor epoxide			0.000800	0.000735		mg/L		92	66 - 128	0	30
Methoxychlor			0.000800	0.000915		mg/L		114	42 - 151	3	30
Methoxychlor			0.000800	0.000722		mg/L		90	42 - 151	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*10 - 150*
DCB Decachlorobiphenyl	*62*		*10 - 150*
Tetrachloro-m-xylene	*63*		*10 - 150*
Tetrachloro-m-xylene	*57*		*10 - 150*

Lab Sample ID: MB 460-784097/1-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/14/21 14:27	06/15/21 05:48	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/14/21 14:27	06/15/21 05:48	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 05:48	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 05:48	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/14/21 14:27	06/15/21 05:48	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/14/21 14:27	06/15/21 05:48	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/14/21 14:27	06/15/21 05:48	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/14/21 14:27	06/15/21 05:48	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/14/21 14:27	06/15/21 05:48	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/14/21 14:27	06/15/21 05:48	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 05:48	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 05:48	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/14/21 14:27	06/15/21 05:48	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/14/21 14:27	06/15/21 05:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*06/14/21 14:27*	*06/15/21 05:48*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*06/14/21 14:27*	*06/15/21 05:48*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/14/21 14:27*	*06/15/21 05:48*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/14/21 14:27*	*06/15/21 05:48*	*1*

Lab Sample ID: LCS 460-784097/2-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000803		mg/L		100	64 - 130		
cis-Chlordane			0.000800	0.000864		mg/L		108	64 - 130		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-784097/2-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-Chlordane			0.000800	0.000815		mg/L		102	65 - 132		
trans-Chlordane			0.000800	0.000869		mg/L		109	65 - 132		
Endrin			0.000800	0.000831		mg/L		104	67 - 132		
Endrin			0.000800	0.000882		mg/L		110	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000840		mg/L		105	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000874		mg/L		109	65 - 134		
Heptachlor			0.000800	0.000837		mg/L		105	63 - 128		
Heptachlor			0.000800	0.000880		mg/L		110	63 - 128		
Heptachlor epoxide			0.000800	0.000809		mg/L		101	66 - 128		
Heptachlor epoxide			0.000800	0.000859		mg/L		107	66 - 128		
Methoxychlor			0.000800	0.000783		mg/L		98	42 - 151		
Methoxychlor			0.000800	0.000861		mg/L		108	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*10 - 150*
DCB Decachlorobiphenyl	*60*		*10 - 150*
Tetrachloro-m-xylene	*61*		*10 - 150*
Tetrachloro-m-xylene	*63*		*10 - 150*

Lab Sample ID: LCSD 460-784097/3-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784097

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000799		mg/L		100	64 - 130	1	30
cis-Chlordane			0.000800	0.000869		mg/L		109	64 - 130	1	30
trans-Chlordane			0.000800	0.000809		mg/L		101	65 - 132	1	30
trans-Chlordane			0.000800	0.000873		mg/L		109	65 - 132	0	30
Endrin			0.000800	0.000842		mg/L		105	67 - 132	1	30
Endrin			0.000800	0.000896		mg/L		112	67 - 132	2	30
gamma-BHC (Lindane)			0.000800	0.000854		mg/L		107	65 - 134	2	30
gamma-BHC (Lindane)			0.000800	0.000876		mg/L		109	65 - 134	0	30
Heptachlor			0.000800	0.000842		mg/L		105	63 - 128	1	30
Heptachlor			0.000800	0.000892		mg/L		112	63 - 128	1	30
Heptachlor epoxide			0.000800	0.000808		mg/L		101	66 - 128	0	30
Heptachlor epoxide			0.000800	0.000863		mg/L		108	66 - 128	1	30
Methoxychlor			0.000800	0.000814		mg/L		102	42 - 151	4	30
Methoxychlor			0.000800	0.000885		mg/L		111	42 - 151	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*59*		*10 - 150*
DCB Decachlorobiphenyl	*62*		*10 - 150*
Tetrachloro-m-xylene	*62*		*10 - 150*
Tetrachloro-m-xylene	*63*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-784165/1-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/14/21 18:20	06/15/21 09:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/14/21 18:20	06/15/21 09:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*10 - 150*	*06/14/21 18:20*	*06/15/21 09:15*	*1*
DCB Decachlorobiphenyl	*113*		*10 - 150*	*06/14/21 18:20*	*06/15/21 09:15*	*1*
Tetrachloro-m-xylene	*102*		*10 - 133*	*06/14/21 18:20*	*06/15/21 09:15*	*1*
Tetrachloro-m-xylene	*101*		*10 - 133*	*06/14/21 18:20*	*06/15/21 09:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-784165/2-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.123		mg/Kg		92	70 - 140
4,4'-DDD	0.133	0.132		mg/Kg		99	70 - 140
4,4'-DDE	0.133	0.123		mg/Kg		92	71 - 137
4,4'-DDE	0.133	0.132		mg/Kg		99	71 - 137
4,4'-DDT	0.133	0.122		mg/Kg		92	63 - 131
4,4'-DDT	0.133	0.131		mg/Kg		98	63 - 131
Aldrin	0.133	0.121		mg/Kg		91	74 - 140
Aldrin	0.133	0.127		mg/Kg		95	74 - 140
alpha-BHC	0.133	0.123		mg/Kg		92	72 - 142
alpha-BHC	0.133	0.129		mg/Kg		96	72 - 142
beta-BHC	0.133	0.128		mg/Kg		96	65 - 137
beta-BHC	0.133	0.130		mg/Kg		97	65 - 137
delta-BHC	0.133	0.126		mg/Kg		95	70 - 143
delta-BHC	0.133	0.127		mg/Kg		95	70 - 143
Dieldrin	0.133	0.121		mg/Kg		91	70 - 135
Dieldrin	0.133	0.129		mg/Kg		96	70 - 135
Endosulfan I	0.133	0.118		mg/Kg		89	68 - 135
Endosulfan I	0.133	0.126		mg/Kg		95	68 - 135
Endosulfan II	0.133	0.125		mg/Kg		94	64 - 130
Endosulfan II	0.133	0.135		mg/Kg		101	64 - 130
Endosulfan sulfate	0.133	0.127		mg/Kg		95	66 - 143
Endosulfan sulfate	0.133	0.138		mg/Kg		104	66 - 143
Endrin	0.133	0.123		mg/Kg		92	68 - 136
Endrin	0.133	0.129		mg/Kg		96	68 - 136
Endrin aldehyde	0.133	0.118		mg/Kg		89	68 - 132
Endrin aldehyde	0.133	0.123		mg/Kg		92	68 - 132
Endrin ketone	0.133	0.117		mg/Kg		87	60 - 150
Endrin ketone	0.133	0.121		mg/Kg		91	60 - 150
gamma-BHC (Lindane)	0.133	0.124		mg/Kg		93	70 - 134
gamma-BHC (Lindane)	0.133	0.128		mg/Kg		96	70 - 134
Heptachlor	0.133	0.122		mg/Kg		91	69 - 134
Heptachlor	0.133	0.128		mg/Kg		96	69 - 134
Heptachlor epoxide	0.133	0.120		mg/Kg		90	70 - 135
Heptachlor epoxide	0.133	0.124		mg/Kg		93	70 - 135
Methoxychlor	0.133	0.117		mg/Kg		88	57 - 135
Methoxychlor	0.133	0.124		mg/Kg		93	57 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*78*		*10 - 133*
Tetrachloro-m-xylene	*80*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-784165/3-A
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.128		mg/Kg		96	70 - 140	4	30
4,4'-DDD			0.133	0.145		mg/Kg		109	70 - 140	9	30
4,4'-DDE			0.133	0.129		mg/Kg		97	71 - 137	5	30
4,4'-DDE			0.133	0.143		mg/Kg		107	71 - 137	8	30
4,4'-DDT			0.133	0.126		mg/Kg		94	63 - 131	3	30
4,4'-DDT			0.133	0.142		mg/Kg		106	63 - 131	8	30
Aldrin			0.133	0.130		mg/Kg		98	74 - 140	7	30
Aldrin			0.133	0.139		mg/Kg		104	74 - 140	9	30
alpha-BHC			0.133	0.131		mg/Kg		99	72 - 142	7	30
alpha-BHC			0.133	0.138		mg/Kg		104	72 - 142	7	30
beta-BHC			0.133	0.137		mg/Kg		103	65 - 137	7	30
beta-BHC			0.133	0.140		mg/Kg		105	65 - 137	8	30
delta-BHC			0.133	0.135		mg/Kg		101	70 - 143	7	30
delta-BHC			0.133	0.138		mg/Kg		103	70 - 143	8	30
Dieldrin			0.133	0.127		mg/Kg		95	70 - 135	5	30
Dieldrin			0.133	0.140		mg/Kg		105	70 - 135	8	30
Endosulfan I			0.133	0.124		mg/Kg		93	68 - 135	5	30
Endosulfan I			0.133	0.137		mg/Kg		103	68 - 135	8	30
Endosulfan II			0.133	0.130		mg/Kg		98	64 - 130	4	30
Endosulfan II			0.133	0.147		mg/Kg		110	64 - 130	8	30
Endosulfan sulfate			0.133	0.132		mg/Kg		99	66 - 143	4	30
Endosulfan sulfate			0.133	0.151		mg/Kg		114	66 - 143	9	30
Endrin			0.133	0.128		mg/Kg		96	68 - 136	4	30
Endrin			0.133	0.140		mg/Kg		105	68 - 136	8	30
Endrin aldehyde			0.133	0.123		mg/Kg		92	68 - 132	4	30
Endrin aldehyde			0.133	0.135		mg/Kg		101	68 - 132	9	30
Endrin ketone			0.133	0.122		mg/Kg		92	60 - 150	5	30
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 150	9	30
gamma-BHC (Lindane)			0.133	0.132		mg/Kg		99	70 - 134	7	30
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	70 - 134	8	30
Heptachlor			0.133	0.130		mg/Kg		98	69 - 134	7	30
Heptachlor			0.133	0.139		mg/Kg		104	69 - 134	8	30
Heptachlor epoxide			0.133	0.127		mg/Kg		95	70 - 135	6	30
Heptachlor epoxide			0.133	0.137		mg/Kg		102	70 - 135	9	30
Methoxychlor			0.133	0.121		mg/Kg		91	57 - 135	3	30
Methoxychlor			0.133	0.136		mg/Kg		102	57 - 135	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*83*		*10 - 133*
Tetrachloro-m-xylene	*86*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236243-B-1-D MS
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0077	U	0.153	0.140		mg/Kg	☼	91	70 - 140
4,4'-DDD	0.0077	U	0.153	0.146		mg/Kg	☼	96	70 - 140
4,4'-DDE	0.0077	U	0.153	0.135		mg/Kg	☼	88	71 - 137
4,4'-DDE	0.0077	U	0.153	0.145		mg/Kg	☼	95	71 - 137
4,4'-DDT	0.0077	U	0.153	0.138		mg/Kg	☼	90	63 - 131
4,4'-DDT	0.0077	U	0.153	0.145		mg/Kg	☼	95	63 - 131
Aldrin	0.0077	U	0.153	0.132		mg/Kg	☼	86	74 - 140
Aldrin	0.0077	U	0.153	0.142		mg/Kg	☼	93	74 - 140
alpha-BHC	0.0023	U	0.153	0.134		mg/Kg	☼	88	72 - 142
alpha-BHC	0.0023	U	0.153	0.141		mg/Kg	☼	92	72 - 142
beta-BHC	0.0023	U	0.153	0.139		mg/Kg	☼	91	65 - 137
beta-BHC	0.0023	U	0.153	0.143		mg/Kg	☼	93	65 - 137
delta-BHC	0.0023	U	0.153	0.137		mg/Kg	☼	90	70 - 143
delta-BHC	0.0023	U	0.153	0.142		mg/Kg	☼	93	70 - 143
Dieldrin	0.0023	U	0.153	0.136		mg/Kg	☼	89	70 - 135
Dieldrin	0.0023	U	0.153	0.143		mg/Kg	☼	94	70 - 135
Endosulfan I	0.0077	U	0.153	0.131		mg/Kg	☼	86	68 - 135
Endosulfan I	0.0077	U	0.153	0.141		mg/Kg	☼	92	68 - 135
Endosulfan II	0.0077	U	0.153	0.143		mg/Kg	☼	93	64 - 130
Endosulfan II	0.0077	U	0.153	0.150		mg/Kg	☼	98	64 - 130
Endosulfan sulfate	0.0077	U	0.153	0.143		mg/Kg	☼	93	66 - 143
Endosulfan sulfate	0.0077	U	0.153	0.155		mg/Kg	☼	101	66 - 143
Endrin	0.0077	U	0.153	0.139		mg/Kg	☼	91	68 - 136
Endrin	0.0077	U	0.153	0.143		mg/Kg	☼	93	68 - 136
Endrin aldehyde	0.0077	U	0.153	0.134		mg/Kg	☼	88	68 - 132
Endrin aldehyde	0.0077	U	0.153	0.138		mg/Kg	☼	90	68 - 132
Endrin ketone	0.0077	U	0.153	0.132		mg/Kg	☼	86	60 - 150
Endrin ketone	0.0077	U	0.153	0.137		mg/Kg	☼	90	60 - 150
gamma-BHC (Lindane)	0.0023	U	0.153	0.135		mg/Kg	☼	88	70 - 134
gamma-BHC (Lindane)	0.0023	U	0.153	0.142		mg/Kg	☼	93	70 - 134
Heptachlor	0.0077	U	0.153	0.133		mg/Kg	☼	87	69 - 134
Heptachlor	0.0077	U	0.153	0.143		mg/Kg	☼	93	69 - 134
Heptachlor epoxide	0.0077	U	0.153	0.132		mg/Kg	☼	86	70 - 135
Heptachlor epoxide	0.0077	U	0.153	0.139		mg/Kg	☼	91	70 - 135
Methoxychlor	0.0077	U	0.153	0.131		mg/Kg	☼	86	57 - 135
Methoxychlor	0.0077	U	0.153	0.140		mg/Kg	☼	91	57 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*10 - 150*
DCB Decachlorobiphenyl	*79*		*10 - 150*
Tetrachloro-m-xylene	*72*		*10 - 133*
Tetrachloro-m-xylene	*76*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-236243-B-1-E MSD
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0077	U	0.153	0.153		mg/Kg	☼	100	70 - 140	9	30
4,4'-DDD	0.0077	U	0.153	0.160		mg/Kg	☼	105	70 - 140	9	30
4,4'-DDE	0.0077	U	0.153	0.148		mg/Kg	☼	97	71 - 137	9	30
4,4'-DDE	0.0077	U	0.153	0.157		mg/Kg	☼	103	71 - 137	8	30
4,4'-DDT	0.0077	U	0.153	0.151		mg/Kg	☼	98	63 - 131	9	30
4,4'-DDT	0.0077	U	0.153	0.159		mg/Kg	☼	104	63 - 131	9	30
Aldrin	0.0077	U	0.153	0.147		mg/Kg	☼	96	74 - 140	11	30
Aldrin	0.0077	U	0.153	0.154		mg/Kg	☼	100	74 - 140	8	30
alpha-BHC	0.0023	U	0.153	0.150		mg/Kg	☼	98	72 - 142	11	30
alpha-BHC	0.0023	U	0.153	0.153		mg/Kg	☼	100	72 - 142	8	30
beta-BHC	0.0023	U	0.153	0.155		mg/Kg	☼	101	65 - 137	11	30
beta-BHC	0.0023	U	0.153	0.155		mg/Kg	☼	101	65 - 137	8	30
delta-BHC	0.0023	U	0.153	0.154		mg/Kg	☼	100	70 - 143	11	30
delta-BHC	0.0023	U	0.153	0.154		mg/Kg	☼	101	70 - 143	8	30
Dieldrin	0.0023	U	0.153	0.149		mg/Kg	☼	97	70 - 135	9	30
Dieldrin	0.0023	U	0.153	0.155		mg/Kg	☼	101	70 - 135	8	30
Endosulfan I	0.0077	U	0.153	0.145		mg/Kg	☼	95	68 - 135	10	30
Endosulfan I	0.0077	U	0.153	0.153		mg/Kg	☼	100	68 - 135	8	30
Endosulfan II	0.0077	U	0.153	0.155		mg/Kg	☼	101	64 - 130	9	30
Endosulfan II	0.0077	U	0.153	0.164		mg/Kg	☼	107	64 - 130	9	30
Endosulfan sulfate	0.0077	U	0.153	0.158		mg/Kg	☼	103	66 - 143	10	30
Endosulfan sulfate	0.0077	U	0.153	0.168		mg/Kg	☼	110	66 - 143	8	30
Endrin	0.0077	U	0.153	0.152		mg/Kg	☼	99	68 - 136	9	30
Endrin	0.0077	U	0.153	0.156		mg/Kg	☼	102	68 - 136	9	30
Endrin aldehyde	0.0077	U	0.153	0.147		mg/Kg	☼	96	68 - 132	9	30
Endrin aldehyde	0.0077	U	0.153	0.151		mg/Kg	☼	99	68 - 132	9	30
Endrin ketone	0.0077	U	0.153	0.147		mg/Kg	☼	96	60 - 150	11	30
Endrin ketone	0.0077	U	0.153	0.149		mg/Kg	☼	97	60 - 150	8	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.152		mg/Kg	☼	99	70 - 134	11	30
gamma-BHC (Lindane)	0.0023	U	0.153	0.154		mg/Kg	☼	100	70 - 134	8	30
Heptachlor	0.0077	U	0.153	0.149		mg/Kg	☼	97	69 - 134	11	30
Heptachlor	0.0077	U	0.153	0.155		mg/Kg	☼	101	69 - 134	8	30
Heptachlor epoxide	0.0077	U	0.153	0.146		mg/Kg	☼	96	70 - 135	11	30
Heptachlor epoxide	0.0077	U	0.153	0.150		mg/Kg	☼	98	70 - 135	7	30
Methoxychlor	0.0077	U	0.153	0.146		mg/Kg	☼	95	57 - 135	10	30
Methoxychlor	0.0077	U	0.153	0.152		mg/Kg	☼	99	57 - 135	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*10 - 150*
DCB Decachlorobiphenyl	*88*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 133*
Tetrachloro-m-xylene	*84*		*10 - 133*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-784361/1-A
Matrix: Solid
Analysis Batch: 784452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/15/21 15:59	06/16/21 05:39	1
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/15/21 15:59	06/16/21 05:39	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/15/21 15:59	06/16/21 05:39	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/15/21 15:59	06/16/21 05:39	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/15/21 15:59	06/16/21 05:39	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/15/21 15:59	06/16/21 05:39	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/15/21 15:59	06/16/21 05:39	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/15/21 15:59	06/16/21 05:39	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/15/21 15:59	06/16/21 05:39	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/15/21 15:59	06/16/21 05:39	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/15/21 15:59	06/16/21 05:39	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/15/21 15:59	06/16/21 05:39	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/15/21 15:59	06/16/21 05:39	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/15/21 15:59	06/16/21 05:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*06/15/21 15:59*	*06/16/21 05:39*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*06/15/21 15:59*	*06/16/21 05:39*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/15/21 15:59*	*06/16/21 05:39*	*1*
Tetrachloro-m-xylene	*65*		*10 - 150*	*06/15/21 15:59*	*06/16/21 05:39*	*1*

Lab Sample ID: LCS 460-784361/2-A
Matrix: Solid
Analysis Batch: 784452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784361

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.000763		mg/L		95	64 - 130		
cis-Chlordane			0.000800	0.000821		mg/L		103	64 - 130		
trans-Chlordane			0.000800	0.000773		mg/L		97	65 - 132		
trans-Chlordane			0.000800	0.000827		mg/L		103	65 - 132		
Endrin			0.000800	0.000812		mg/L		102	67 - 132		
Endrin			0.000800	0.000872		mg/L		109	67 - 132		
gamma-BHC (Lindane)			0.000800	0.000808		mg/L		101	65 - 134		
gamma-BHC (Lindane)			0.000800	0.000842		mg/L		105	65 - 134		
Heptachlor			0.000800	0.000795		mg/L		99	63 - 128		
Heptachlor			0.000800	0.000849		mg/L		106	63 - 128		
Heptachlor epoxide			0.000800	0.000775		mg/L		97	66 - 128		
Heptachlor epoxide			0.000800	0.000825		mg/L		103	66 - 128		
Methoxychlor			0.000800	0.000754		mg/L		94	42 - 151		
Methoxychlor			0.000800	0.000827		mg/L		103	42 - 151		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*10 - 150*
DCB Decachlorobiphenyl	*60*		*10 - 150*
Tetrachloro-m-xylene	*58*		*10 - 150*
Tetrachloro-m-xylene	*60*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-784361/3-A
Matrix: Solid
Analysis Batch: 784452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784361

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000729		mg/L		91	64 - 130	4	30
cis-Chlordane			0.000800	0.000810		mg/L		101	64 - 130	1	30
trans-Chlordane			0.000800	0.000743		mg/L		93	65 - 132	4	30
trans-Chlordane			0.000800	0.000817		mg/L		102	65 - 132	1	30
Endrin			0.000800	0.000771		mg/L		96	67 - 132	5	30
Endrin			0.000800	0.000848		mg/L		106	67 - 132	3	30
gamma-BHC (Lindane)			0.000800	0.000783		mg/L		98	65 - 134	3	30
gamma-BHC (Lindane)			0.000800	0.000815		mg/L		102	65 - 134	3	30
Heptachlor			0.000800	0.000767		mg/L		96	63 - 128	3	30
Heptachlor			0.000800	0.000822		mg/L		103	63 - 128	3	30
Heptachlor epoxide			0.000800	0.000744		mg/L		93	66 - 128	4	30
Heptachlor epoxide			0.000800	0.000815		mg/L		102	66 - 128	1	30
Methoxychlor			0.000800	0.000720		mg/L		90	42 - 151	5	30
Methoxychlor			0.000800	0.000804		mg/L		100	42 - 151	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*10 - 150*
DCB Decachlorobiphenyl	*59*		*10 - 150*
Tetrachloro-m-xylene	*56*		*10 - 150*
Tetrachloro-m-xylene	*60*		*10 - 150*

Lab Sample ID: LB 460-783316/1-C
Matrix: Solid
Analysis Batch: 783594

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783244

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/10/21 10:16	06/11/21 04:21	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 04:21	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/10/21 10:16	06/11/21 04:21	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/10/21 10:16	06/11/21 04:21	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/10/21 10:16	06/11/21 04:21	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/10/21 10:16	06/11/21 04:21	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/10/21 10:16	06/11/21 04:21	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*26*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:21*	*1*
DCB Decachlorobiphenyl	*30*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:21*	*1*
Tetrachloro-m-xylene	*45*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:21*	*1*
Tetrachloro-m-xylene	*43*		*10 - 150*	*06/10/21 10:16*	*06/11/21 04:21*	*1*

Lab Sample ID: LB 460-783779/1-E
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783945

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/13/21 13:58	06/15/21 06:02	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:02	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/13/21 13:58	06/15/21 06:02	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-783779/1-E
Matrix: Solid
Analysis Batch: 784236

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783945

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/13/21 13:58	06/15/21 06:02	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/13/21 13:58	06/15/21 06:02	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/13/21 13:58	06/15/21 06:02	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/13/21 13:58	06/15/21 06:02	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:02*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:02*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:02*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*06/13/21 13:58*	*06/15/21 06:02*	*1*

Lab Sample ID: LB 460-783982/1-E
Matrix: Solid
Analysis Batch: 784229

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784097

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/14/21 14:27	06/15/21 06:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/14/21 14:27	06/15/21 06:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/14/21 14:27	06/15/21 06:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/14/21 14:27	06/15/21 06:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/14/21 14:27	06/15/21 06:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/14/21 14:27	06/15/21 06:01	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*06/14/21 14:27*	*06/15/21 06:01*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*06/14/21 14:27*	*06/15/21 06:01*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*06/14/21 14:27*	*06/15/21 06:01*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*06/14/21 14:27*	*06/15/21 06:01*	*1*

Lab Sample ID: LB 460-784374/1-D
Matrix: Solid
Analysis Batch: 784722

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784361

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		06/16/21 10:54	06/17/21 05:20	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		06/16/21 10:54	06/17/21 05:20	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		06/16/21 10:54	06/17/21 05:20	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		06/16/21 10:54	06/17/21 05:20	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		06/16/21 10:54	06/17/21 05:20	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		06/16/21 10:54	06/17/21 05:20	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		06/16/21 10:54	06/17/21 05:20	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:20*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:20*	*1*
Tetrachloro-m-xylene	*30*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:20*	*1*
Tetrachloro-m-xylene	*31*		*10 - 150*	*06/16/21 10:54*	*06/17/21 05:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-783167/1-A
Matrix: Solid
Analysis Batch: 783424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/09/21 09:18	06/10/21 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*06/09/21 09:18*	*06/10/21 08:45*	*1*
DCB Decachlorobiphenyl	*111*		*37 - 150*	*06/09/21 09:18*	*06/10/21 08:45*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*06/09/21 09:18*	*06/10/21 08:45*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*06/09/21 09:18*	*06/10/21 08:45*	*1*

Lab Sample ID: LCS 460-783167/2-A
Matrix: Solid
Analysis Batch: 783424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.360		mg/Kg		108	65 - 133
Aroclor 1016	0.333	0.332		mg/Kg		100	65 - 133
Aroclor 1260	0.333	0.382		mg/Kg		115	71 - 150
Aroclor 1260	0.333	0.343		mg/Kg		103	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*37 - 150*
DCB Decachlorobiphenyl	*93*		*37 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-783167/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 783424
Prep Batch: 783167

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.357		mg/Kg		107	65 - 133	1	30
Aroclor 1016			0.333	0.330		mg/Kg		99	65 - 133	1	30
Aroclor 1260			0.333	0.386		mg/Kg		116	71 - 150	1	30
Aroclor 1260			0.333	0.326		mg/Kg		98	71 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*37 - 150*
DCB Decachlorobiphenyl	*93*		*37 - 150*
Tetrachloro-m-xylene	*99*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

Lab Sample ID: 460-236013-A-1-D MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 783424
Prep Batch: 783167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.093	U	0.461	0.553		mg/Kg	☼	120	65 - 133
Aroclor 1016	0.093	U	0.461	0.553		mg/Kg	☼	120	65 - 133
Aroclor 1260	0.093	U	0.461	0.574		mg/Kg	☼	125	71 - 150
Aroclor 1260	0.093	U	0.461	0.571		mg/Kg	☼	124	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*37 - 150*
DCB Decachlorobiphenyl	*99*		*37 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*
Tetrachloro-m-xylene	*96*		*54 - 150*

Lab Sample ID: 460-236013-A-1-E MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 783424
Prep Batch: 783167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.093	U	0.461	0.587		mg/Kg	☼	127	65 - 133	6	30
Aroclor 1016	0.093	U	0.461	0.577		mg/Kg	☼	125	65 - 133	4	30
Aroclor 1260	0.093	U	0.461	0.627		mg/Kg	☼	136	71 - 150	9	30
Aroclor 1260	0.093	U	0.461	0.576		mg/Kg	☼	125	71 - 150	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*37 - 150*
DCB Decachlorobiphenyl	*99*		*37 - 150*
Tetrachloro-m-xylene	*101*		*54 - 150*
Tetrachloro-m-xylene	*101*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-783670/1-A
Matrix: Solid
Analysis Batch: 784048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/11/21 09:50	06/14/21 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*37 - 150*	*06/11/21 09:50*	*06/14/21 09:31*	*1*
DCB Decachlorobiphenyl	*125*		*37 - 150*	*06/11/21 09:50*	*06/14/21 09:31*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*06/11/21 09:50*	*06/14/21 09:31*	*1*
Tetrachloro-m-xylene	*96*		*54 - 150*	*06/11/21 09:50*	*06/14/21 09:31*	*1*

Lab Sample ID: LCS 460-783670/2-A
Matrix: Solid
Analysis Batch: 784048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.303		mg/Kg		91	65 - 133
Aroclor 1016	0.333	0.330		mg/Kg		99	65 - 133
Aroclor 1260	0.333	0.326		mg/Kg		98	71 - 150
Aroclor 1260	0.333	0.335		mg/Kg		100	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*37 - 150*
DCB Decachlorobiphenyl	*84*		*37 - 150*
Tetrachloro-m-xylene	*75*		*54 - 150*
Tetrachloro-m-xylene	*84*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-783670/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784048
Prep Batch: 783670

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.318		mg/Kg		96	65 - 133	5	30
Aroclor 1016			0.333	0.347		mg/Kg		104	65 - 133	5	30
Aroclor 1260			0.333	0.352		mg/Kg		106	71 - 150	8	30
Aroclor 1260			0.333	0.360		mg/Kg		108	71 - 150	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*37 - 150*
DCB Decachlorobiphenyl	*90*		*37 - 150*
Tetrachloro-m-xylene	*78*		*54 - 150*
Tetrachloro-m-xylene	*88*		*54 - 150*

Lab Sample ID: 460-236152-H-1-C MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784048
Prep Batch: 783670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.082	U	0.410	0.575	*	mg/Kg	☼	140	65 - 133
Aroclor 1016	0.082	U	0.410	0.620	*	mg/Kg	☼	151	65 - 133
Aroclor 1260	0.082	U	0.410	0.505		mg/Kg	☼	123	71 - 150
Aroclor 1260	0.082	U	0.410	0.528		mg/Kg	☼	129	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*37 - 150*
DCB Decachlorobiphenyl	*97*		*37 - 150*
Tetrachloro-m-xylene	*84*		*54 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*

Lab Sample ID: 460-236152-H-1-D MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784048
Prep Batch: 783670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.082	U	0.410	0.474		mg/Kg	☼	116	65 - 133	27	30
Aroclor 1016	0.082	U	0.410	0.469		mg/Kg	☼	114	65 - 133	20	30
Aroclor 1260	0.082	U	0.410	0.424		mg/Kg	☼	103	71 - 150	22	30
Aroclor 1260	0.082	U	0.410	0.423		mg/Kg	☼	103	71 - 150	18	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*37 - 150*
DCB Decachlorobiphenyl	*77*		*37 - 150*
Tetrachloro-m-xylene	*74*		*54 - 150*
Tetrachloro-m-xylene	*83*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-783879/1-A
Matrix: Solid
Analysis Batch: 784047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/12/21 15:02	06/14/21 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*37 - 150*	*06/12/21 15:02*	*06/14/21 09:46*	*1*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*06/12/21 15:02*	*06/14/21 09:46*	*1*
Tetrachloro-m-xylene	*75*		*54 - 150*	*06/12/21 15:02*	*06/14/21 09:46*	*1*
Tetrachloro-m-xylene	*78*		*54 - 150*	*06/12/21 15:02*	*06/14/21 09:46*	*1*

Lab Sample ID: LCS 460-783879/2-A
Matrix: Solid
Analysis Batch: 784047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.339		mg/Kg		102	65 - 133
Aroclor 1016	0.333	0.355		mg/Kg		106	65 - 133
Aroclor 1260	0.333	0.353		mg/Kg		106	71 - 150
Aroclor 1260	0.333	0.366		mg/Kg		110	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*37 - 150*
DCB Decachlorobiphenyl	*94*		*37 - 150*
Tetrachloro-m-xylene	*86*		*54 - 150*
Tetrachloro-m-xylene	*88*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-783879/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784047
Prep Batch: 783879

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.344		mg/Kg		103	65 - 133	1	30
Aroclor 1016			0.333	0.365		mg/Kg		110	65 - 133	3	30
Aroclor 1260			0.333	0.364		mg/Kg		109	71 - 150	3	30
Aroclor 1260			0.333	0.377		mg/Kg		113	71 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*37 - 150*
DCB Decachlorobiphenyl	*97*		*37 - 150*
Tetrachloro-m-xylene	*89*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: 460-236240-3 MS
Client Sample ID: WL-5 (0-10)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784047
Prep Batch: 783879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.074	U	0.369	0.325		mg/Kg	☼	88	65 - 133
Aroclor 1016	0.074	U	0.369	0.348		mg/Kg	☼	94	65 - 133
Aroclor 1260	0.074	U	0.369	0.350		mg/Kg	☼	95	71 - 150
Aroclor 1260	0.074	U	0.369	0.370		mg/Kg	☼	100	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*37 - 150*
DCB Decachlorobiphenyl	*76*		*37 - 150*
Tetrachloro-m-xylene	*72*		*54 - 150*
Tetrachloro-m-xylene	*72*		*54 - 150*

Lab Sample ID: 460-236240-3 MSD
Client Sample ID: WL-5 (0-10)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784047
Prep Batch: 783879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.074	U	0.369	0.474	*	mg/Kg	☼	129	65 - 133	37	30
Aroclor 1016	0.074	U	0.369	0.507	*	mg/Kg	☼	137	65 - 133	37	30
Aroclor 1260	0.074	U	0.369	0.513	*	mg/Kg	☼	139	71 - 150	38	30
Aroclor 1260	0.074	U	0.369	0.534	*	mg/Kg	☼	145	71 - 150	36	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*37 - 150*
DCB Decachlorobiphenyl	*115*		*37 - 150*
Tetrachloro-m-xylene	*108*		*54 - 150*
Tetrachloro-m-xylene	*110*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-784161/1-A
Matrix: Solid
Analysis Batch: 784477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		06/14/21 17:56	06/16/21 07:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*37 - 150*	*06/14/21 17:56*	*06/16/21 07:55*	*1*
DCB Decachlorobiphenyl	*117*		*37 - 150*	*06/14/21 17:56*	*06/16/21 07:55*	*1*
Tetrachloro-m-xylene	*110*		*54 - 150*	*06/14/21 17:56*	*06/16/21 07:55*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*06/14/21 17:56*	*06/16/21 07:55*	*1*

Lab Sample ID: LCS 460-784161/2-A
Matrix: Solid
Analysis Batch: 784477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.340		mg/Kg		102	65 - 133
Aroclor 1016	0.333	0.354		mg/Kg		106	65 - 133
Aroclor 1260	0.333	0.364		mg/Kg		109	71 - 150
Aroclor 1260	0.333	0.384		mg/Kg		115	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*37 - 150*
DCB Decachlorobiphenyl	*106*		*37 - 150*
Tetrachloro-m-xylene	*102*		*54 - 150*
Tetrachloro-m-xylene	*100*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-784161/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784477
Prep Batch: 784161

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.318		mg/Kg		95	65 - 133	7	30
Aroclor 1016			0.333	0.330		mg/Kg		99	65 - 133	7	30
Aroclor 1260			0.333	0.345		mg/Kg		103	71 - 150	5	30
Aroclor 1260			0.333	0.355		mg/Kg		107	71 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*37 - 150*
DCB Decachlorobiphenyl	*97*		*37 - 150*
Tetrachloro-m-xylene	*93*		*54 - 150*
Tetrachloro-m-xylene	*91*		*54 - 150*

Lab Sample ID: 460-236243-B-1-A MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784477
Prep Batch: 784161

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.077	U	0.383	0.443		mg/Kg	☼	116	65 - 133
Aroclor 1016	0.077	U	0.383	0.471		mg/Kg	☼	123	65 - 133
Aroclor 1260	0.077	U	0.383	0.484		mg/Kg	☼	126	71 - 150
Aroclor 1260	0.077	U	0.383	0.503		mg/Kg	☼	131	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*37 - 150*
DCB Decachlorobiphenyl	*110*		*37 - 150*
Tetrachloro-m-xylene	*108*		*54 - 150*
Tetrachloro-m-xylene	*105*		*54 - 150*

Lab Sample ID: 460-236243-B-1-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784477
Prep Batch: 784161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.077	U	0.383	0.454		mg/Kg	☼	119	65 - 133	2	30
Aroclor 1016	0.077	U	0.383	0.480		mg/Kg	☼	125	65 - 133	2	30
Aroclor 1260	0.077	U	0.383	0.490		mg/Kg	☼	128	71 - 150	1	30
Aroclor 1260	0.077	U	0.383	0.509		mg/Kg	☼	133	71 - 150	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*37 - 150*
DCB Decachlorobiphenyl	*112*		*37 - 150*
Tetrachloro-m-xylene	*114*		*54 - 150*
Tetrachloro-m-xylene	*110*		*54 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-783338/1-A
Matrix: Solid
Analysis Batch: 783382

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/09/21 23:49	06/10/21 08:02	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/09/21 23:49	06/10/21 08:02	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/09/21 23:49	06/10/21 08:02	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/09/21 23:49	06/10/21 08:02	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/09/21 23:49	06/10/21 08:02	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/09/21 23:49	06/10/21 08:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*65 - 150*	*06/09/21 23:49*	*06/10/21 08:02*	*1*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*	*06/09/21 23:49*	*06/10/21 08:02*	*1*

Lab Sample ID: LCS 460-783338/2-A
Matrix: Solid
Analysis Batch: 783382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0934		mg/Kg		112	59 - 150		
2,4,5-T			0.0833	0.107		mg/Kg		128	59 - 150		
2,4-D			0.333	0.384		mg/Kg		115	50 - 130		
2,4-D			0.333	0.423		mg/Kg		127	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0913		mg/Kg		110	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.110		mg/Kg		132	58 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*110*		*65 - 150*
2,4-Dichlorophenylacetic acid	*117*		*65 - 150*

Lab Sample ID: LCSD 460-783338/3-A
Matrix: Solid
Analysis Batch: 783382

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0971		mg/Kg		117	59 - 150	4	30
2,4,5-T			0.0833	0.115		mg/Kg		138	59 - 150	7	30
2,4-D			0.333	0.398		mg/Kg		120	50 - 130	4	30
2,4-D			0.333	0.442	E *	mg/Kg		133	50 - 130	4	30
Silvex (2,4,5-TP)			0.0833	0.0964		mg/Kg		116	58 - 150	6	30
Silvex (2,4,5-TP)			0.0833	0.116		mg/Kg		139	58 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*65 - 150*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-783581/1-A
Matrix: Solid
Analysis Batch: 783629

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 08:45	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 08:45	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 08:45	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*102*		*28 - 150*	*06/10/21 23:53*	*06/11/21 08:45*	*1*
2,4-Dichlorophenylacetic acid	*104*		*28 - 150*	*06/10/21 23:53*	*06/11/21 08:45*	*1*

Lab Sample ID: LCS 460-783581/2-A
Matrix: Solid
Analysis Batch: 783629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0926		mg/L		139	36 - 139		
2,4-D			0.0667	0.0924		mg/L		139	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0205	J	mg/L		123	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0260	J *	mg/L		156	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*
2,4-Dichlorophenylacetic acid	*116*		*28 - 150*

Lab Sample ID: LCSD 460-783581/3-A
Matrix: Solid
Analysis Batch: 783629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.0909		mg/L		136	36 - 139	2	30
2,4-D			0.0667	0.0919		mg/L		138	36 - 139	1	30
Silvex (2,4,5-TP)			0.0167	0.0208	J	mg/L		125	42 - 150	1	30
Silvex (2,4,5-TP)			0.0167	0.0247	J	mg/L		148	42 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*106*		*28 - 150*
2,4-Dichlorophenylacetic acid	*114*		*28 - 150*

Lab Sample ID: MB 460-783582/1-A
Matrix: Solid
Analysis Batch: 783630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/10/21 23:54	06/11/21 09:38	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/10/21 23:54	06/11/21 09:38	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/10/21 23:54	06/11/21 09:38	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/10/21 23:54	06/11/21 09:38	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/10/21 23:54	06/11/21 09:38	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/10/21 23:54	06/11/21 09:38	1

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		65 - 150	06/10/21 23:54	06/11/21 09:38	1
2,4-Dichlorophenylacetic acid	80		65 - 150	06/10/21 23:54	06/11/21 09:38	1

Lab Sample ID: LCS 460-783582/2-A
Matrix: Solid
Analysis Batch: 783630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783582

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0541		mg/Kg		65	59 - 150		
2,4,5-T			0.0833	0.0598		mg/Kg		72	59 - 150		
2,4-D			0.333	0.229		mg/Kg		69	50 - 130		
2,4-D			0.333	0.248		mg/Kg		74	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0566		mg/Kg		68	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0594		mg/Kg		71	58 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	91		65 - 150
2,4-Dichlorophenylacetic acid	91		65 - 150

Lab Sample ID: 460-236101-1 MS
Matrix: Solid
Analysis Batch: 783630

Client Sample ID: SP-2_WC-11_12_13
Prep Type: Total/NA
Prep Batch: 783582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	0.038	U	0.0949	0.0634		mg/Kg	☼	67	59 - 150		
2,4,5-T	0.038	U	0.0949	0.0670		mg/Kg	☼	71	59 - 150		
2,4-D	0.038	U	0.380	0.253		mg/Kg	☼	67	50 - 130		
2,4-D	0.038	U	0.380	0.281		mg/Kg	☼	74	50 - 130		
Silvex (2,4,5-TP)	0.038	U	0.0949	0.0658		mg/Kg	☼	69	58 - 150		
Silvex (2,4,5-TP)	0.038	U	0.0949	0.0702		mg/Kg	☼	74	58 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	82		65 - 150
2,4-Dichlorophenylacetic acid	98		65 - 150

Lab Sample ID: 460-236101-1 MSD
Matrix: Solid
Analysis Batch: 783630

Client Sample ID: SP-2_WC-11_12_13
Prep Type: Total/NA
Prep Batch: 783582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.038	U	0.0949	0.0612		mg/Kg	☼	64	59 - 150	4	30
2,4,5-T	0.038	U	0.0949	0.0638		mg/Kg	☼	67	59 - 150	5	30
2,4-D	0.038	U	0.380	0.239		mg/Kg	☼	63	50 - 130	5	30
2,4-D	0.038	U	0.380	0.268		mg/Kg	☼	71	50 - 130	5	30
Silvex (2,4,5-TP)	0.038	U	0.0949	0.0630		mg/Kg	☼	66	58 - 150	4	30
Silvex (2,4,5-TP)	0.038	U	0.0949	0.0683		mg/Kg	☼	72	58 - 150	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	79		65 - 150
2,4-Dichlorophenylacetic acid	94		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-783793/1-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/11/21 23:57	06/14/21 07:48	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/11/21 23:57	06/14/21 07:48	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/11/21 23:57	06/14/21 07:48	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/11/21 23:57	06/14/21 07:48	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/11/21 23:57	06/14/21 07:48	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/11/21 23:57	06/14/21 07:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*65 - 150*	*06/11/21 23:57*	*06/14/21 07:48*	*1*
2,4-Dichlorophenylacetic acid	*81*		*65 - 150*	*06/11/21 23:57*	*06/14/21 07:48*	*1*

Lab Sample ID: LCS 460-783793/2-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.0569		mg/Kg		68	59 - 150
2,4,5-T	0.0833	0.0614		mg/Kg		74	59 - 150
2,4-D	0.333	0.228		mg/Kg		69	50 - 130
2,4-D	0.333	0.249		mg/Kg		75	50 - 130
Silvex (2,4,5-TP)	0.0833	0.0573		mg/Kg		69	58 - 150
Silvex (2,4,5-TP)	0.0833	0.0602		mg/Kg		72	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*
2,4-Dichlorophenylacetic acid	*93*		*65 - 150*

Lab Sample ID: LCSD 460-783793/3-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783793

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.0833	0.0556		mg/Kg		67	59 - 150	2	30
2,4,5-T	0.0833	0.0616		mg/Kg		74	59 - 150	0	30
2,4-D	0.333	0.230		mg/Kg		69	50 - 130	1	30
2,4-D	0.333	0.251		mg/Kg		75	50 - 130	1	30
Silvex (2,4,5-TP)	0.0833	0.0579		mg/Kg		69	58 - 150	1	30
Silvex (2,4,5-TP)	0.0833	0.0610		mg/Kg		73	58 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*95*		*65 - 150*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-236147-2 MS
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: WL-3 (0-10)
Prep Type: Total/NA
Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.037	U	0.0921	0.0597		mg/Kg	☼	65	59 - 150
2,4,5-T	0.037	U	0.0921	0.0652		mg/Kg	☼	71	59 - 150
2,4-D	0.037	U	0.369	0.213		mg/Kg	☼	58	50 - 130
2,4-D	0.037	U	0.369	0.254		mg/Kg	☼	69	50 - 130
Silvex (2,4,5-TP)	0.037	U	0.0921	0.0592		mg/Kg	☼	64	58 - 150
Silvex (2,4,5-TP)	0.037	U	0.0921	0.0644		mg/Kg	☼	70	58 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*76*		*65 - 150*
2,4-Dichlorophenylacetic acid	*84*		*65 - 150*

Lab Sample ID: 460-236147-2 MSD
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: WL-3 (0-10)
Prep Type: Total/NA
Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.037	U	0.0921	0.0541		mg/Kg	☼	59	59 - 150	10	30
2,4,5-T	0.037	U	0.0921	0.0637		mg/Kg	☼	69	59 - 150	2	30
2,4-D	0.037	U	0.369	0.205		mg/Kg	☼	56	50 - 130	4	30
2,4-D	0.037	U	0.369	0.236		mg/Kg	☼	64	50 - 130	7	30
Silvex (2,4,5-TP)	0.037	U	0.0921	0.0545		mg/Kg	☼	59	58 - 150	8	30
Silvex (2,4,5-TP)	0.037	U	0.0921	0.0613		mg/Kg	☼	67	58 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*72*		*65 - 150*
2,4-Dichlorophenylacetic acid	*81*		*65 - 150*

Lab Sample ID: MB 460-783991/1-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 11:30	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/13/21 23:40	06/14/21 11:30	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 11:30	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/13/21 23:40	06/14/21 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*28 - 150*	*06/13/21 23:40*	*06/14/21 11:30*	*1*
2,4-Dichlorophenylacetic acid	*80*		*28 - 150*	*06/13/21 23:40*	*06/14/21 11:30*	*1*

Lab Sample ID: LCS 460-783991/2-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0667	0.0559	J	mg/L		84	36 - 139
2,4-D	0.0667	0.0628	J	mg/L		94	36 - 139

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-783991/2-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.0167	0.0120	J	mg/L		72	42 - 150
Silvex (2,4,5-TP)	0.0167	0.0141	J	mg/L		85	42 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*78*		*28 - 150*
2,4-Dichlorophenylacetic acid	*84*		*28 - 150*

Lab Sample ID: LCSD 460-783991/3-A
Matrix: Solid
Analysis Batch: 784026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783991

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.0667	0.0560	J	mg/L		84	36 - 139	0	30
2,4-D	0.0667	0.0615	J	mg/L		92	36 - 139	2	30
Silvex (2,4,5-TP)	0.0167	0.0125	J	mg/L		75	42 - 150	4	30
Silvex (2,4,5-TP)	0.0167	0.0139	J	mg/L		83	42 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*
2,4-Dichlorophenylacetic acid	*84*		*28 - 150*

Lab Sample ID: MB 460-783992/1-A
Matrix: Solid
Analysis Batch: 783696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783992

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/13/21 23:42	06/14/21 11:37	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/13/21 23:42	06/14/21 11:37	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/13/21 23:42	06/14/21 11:37	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/13/21 23:42	06/14/21 11:37	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/13/21 23:42	06/14/21 11:37	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/13/21 23:42	06/14/21 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*119*		*65 - 150*	*06/13/21 23:42*	*06/14/21 11:37*	*1*
2,4-Dichlorophenylacetic acid	*124*		*65 - 150*	*06/13/21 23:42*	*06/14/21 11:37*	*1*

Lab Sample ID: LCS 460-783992/2-A
Matrix: Solid
Analysis Batch: 783696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0833	0.100		mg/Kg		121	59 - 150
2,4,5-T	0.0833	0.117		mg/Kg		141	59 - 150
2,4-D	0.333	0.428	E	mg/Kg		128	50 - 130
2,4-D	0.333	0.455	*	mg/Kg		137	50 - 130
Silvex (2,4,5-TP)	0.0833	0.100		mg/Kg		120	58 - 150
Silvex (2,4,5-TP)	0.0833	0.117		mg/Kg		141	58 - 150

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	128		65 - 150
2,4-Dichlorophenylacetic acid	132		65 - 150

Lab Sample ID: LCSD 460-783992/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 783696 — **Prep Batch: 783992**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.103		mg/Kg		123	59 - 150	2	30
2,4,5-T			0.0833	0.120		mg/Kg		144	59 - 150	2	30
2,4-D			0.333	0.433		mg/Kg		130	50 - 130	1	30
2,4-D			0.333	0.464	*	mg/Kg		139	50 - 130	2	30
Silvex (2,4,5-TP)			0.0833	0.103		mg/Kg		123	58 - 150	3	30
Silvex (2,4,5-TP)			0.0833	0.120		mg/Kg		144	58 - 150	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	132		65 - 150
2,4-Dichlorophenylacetic acid	138		65 - 150

Lab Sample ID: 460-236141-A-13-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 783696 — **Prep Batch: 783992**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.038	U	0.0941	0.110		mg/Kg	☼	117	59 - 150
2,4,5-T	0.038	U	0.0941	0.133		mg/Kg	☼	141	59 - 150
2,4-D	0.038	U	0.376	0.456		mg/Kg	☼	121	50 - 130
2,4-D	0.038	U *	0.376	0.516	*	mg/Kg	☼	137	50 - 130
Silvex (2,4,5-TP)	0.038	U	0.0941	0.113		mg/Kg	☼	120	58 - 150
Silvex (2,4,5-TP)	0.038	U	0.0941	0.141		mg/Kg	☼	150	58 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	126		65 - 150
2,4-Dichlorophenylacetic acid	134		65 - 150

Lab Sample ID: 460-236141-A-13-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 783696 — **Prep Batch: 783992**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.038	U	0.0941	0.114		mg/Kg	☼	121	59 - 150	4	30
2,4,5-T	0.038	U	0.0941	0.139		mg/Kg	☼	148	59 - 150	4	30
2,4-D	0.038	U	0.376	0.469	E	mg/Kg	☼	124	50 - 130	3	30
2,4-D	0.038	U *	0.376	0.521	E *	mg/Kg	☼	138	50 - 130	1	30
Silvex (2,4,5-TP)	0.038	U	0.0941	0.111		mg/Kg	☼	118	58 - 150	1	30
Silvex (2,4,5-TP)	0.038	U	0.0941	0.136		mg/Kg	☼	145	58 - 150	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	119		65 - 150
2,4-Dichlorophenylacetic acid	135		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-784099/1-A
Matrix: Solid
Analysis Batch: 784259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/14/21 14:34	06/15/21 10:54	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/14/21 14:34	06/15/21 10:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/14/21 14:34	06/15/21 10:54	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/14/21 14:34	06/15/21 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*114*		*28 - 150*	*06/14/21 14:34*	*06/15/21 10:54*	*1*
2,4-Dichlorophenylacetic acid	*119*		*28 - 150*	*06/14/21 14:34*	*06/15/21 10:54*	*1*

Lab Sample ID: LCS 460-784099/2-A
Matrix: Solid
Analysis Batch: 784259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784099

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.0960	*	mg/L		144	36 - 139		
2,4-D			0.0667	0.115	*	mg/L		172	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0240	J	mg/L		144	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0321	J *	mg/L		192	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*120*		*28 - 150*
2,4-Dichlorophenylacetic acid	*132*		*28 - 150*

Lab Sample ID: LCSD 460-784099/3-A
Matrix: Solid
Analysis Batch: 784259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784099

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.104	*	mg/L		156	36 - 139	8	30
2,4-D			0.0667	0.114	*	mg/L		170	36 - 139	1	30
Silvex (2,4,5-TP)			0.0167	0.0238	J	mg/L		143	42 - 150	1	30
Silvex (2,4,5-TP)			0.0167	0.0321	J *	mg/L		192	42 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*120*		*28 - 150*
2,4-Dichlorophenylacetic acid	*131*		*28 - 150*

Lab Sample ID: MB 460-784215/1-A
Matrix: Solid
Analysis Batch: 784337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/14/21 23:05	06/15/21 13:32	1
2,4,5-T	0.033	U	0.033	0.0071	mg/Kg		06/14/21 23:05	06/15/21 13:32	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/14/21 23:05	06/15/21 13:32	1
2,4-D	0.033	U	0.033	0.012	mg/Kg		06/14/21 23:05	06/15/21 13:32	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/14/21 23:05	06/15/21 13:32	1
Silvex (2,4,5-TP)	0.033	U	0.033	0.0035	mg/Kg		06/14/21 23:05	06/15/21 13:32	1

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	79		65 - 150	06/14/21 23:05	06/15/21 13:32	1
2,4-Dichlorophenylacetic acid	81		65 - 150	06/14/21 23:05	06/15/21 13:32	1

Lab Sample ID: LCS 460-784215/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784337 — **Prep Batch: 784215**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			0.0833	0.0594		mg/Kg		71	59 - 150		
2,4,5-T			0.0833	0.0680		mg/Kg		82	59 - 150		
2,4-D			0.333	0.245		mg/Kg		74	50 - 130		
2,4-D			0.333	0.285		mg/Kg		86	50 - 130		
Silvex (2,4,5-TP)			0.0833	0.0699		mg/Kg		84	58 - 150		
Silvex (2,4,5-TP)			0.0833	0.0698		mg/Kg		84	58 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		65 - 150
2,4-Dichlorophenylacetic acid	95		65 - 150

Lab Sample ID: LCSD 460-784215/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784337 — **Prep Batch: 784215**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			0.0833	0.0577		mg/Kg		69	59 - 150	3	30
2,4,5-T			0.0833	0.0688		mg/Kg		83	59 - 150	1	30
2,4-D			0.333	0.245		mg/Kg		74	50 - 130	0	30
2,4-D			0.333	0.287		mg/Kg		86	50 - 130	1	30
Silvex (2,4,5-TP)			0.0833	0.0688		mg/Kg		83	58 - 150	2	30
Silvex (2,4,5-TP)			0.0833	0.0673		mg/Kg		81	58 - 150	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		65 - 150
2,4-Dichlorophenylacetic acid	96		65 - 150

Lab Sample ID: 460-236240-1 MS — **Client Sample ID: WL-6 (0-10)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784337 — **Prep Batch: 784215**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	0.037	U	0.0920	0.0725		mg/Kg	☼	79	59 - 150		
2,4,5-T	0.037	U	0.0920	0.0728		mg/Kg	☼	79	59 - 150		
2,4-D	0.037	U	0.368	0.270		mg/Kg	☼	73	50 - 130		
2,4-D	0.037	U	0.368	0.329		mg/Kg	☼	89	50 - 130		
Silvex (2,4,5-TP)	0.037	U	0.0920	0.0743		mg/Kg	☼	81	58 - 150		
Silvex (2,4,5-TP)	0.037	U	0.0920	0.0760		mg/Kg	☼	83	58 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	91		65 - 150
2,4-Dichlorophenylacetic acid	96		65 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-236240-1 MSD
Matrix: Solid
Analysis Batch: 784337

Client Sample ID: WL-6 (0-10)
Prep Type: Total/NA
Prep Batch: 784215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	0.037	U	0.0920	0.0433	*	mg/Kg	☼	47	59 - 150	50	30
2,4,5-T	0.037	U	0.0920	0.0493	*	mg/Kg	☼	54	59 - 150	38	30
2,4-D	0.037	U	0.368	0.174	*	mg/Kg	☼	47	50 - 130	44	30
2,4-D	0.037	U	0.368	0.212	*	mg/Kg	☼	58	50 - 130	43	30
Silvex (2,4,5-TP)	0.037	U	0.0920	0.0473	*	mg/Kg	☼	51	58 - 150	44	30
Silvex (2,4,5-TP)	0.037	U	0.0920	0.0482	*	mg/Kg	☼	52	58 - 150	45	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*64*	*	*65 - 150*
2,4-Dichlorophenylacetic acid	*65*		*65 - 150*

Lab Sample ID: MB 460-784592/1-A
Matrix: Solid
Analysis Batch: 784782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/16/21 14:33	06/17/21 07:08	1
2,4-D	0.083	U	0.083	0.0050	mg/L		06/16/21 14:33	06/17/21 07:08	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/16/21 14:33	06/17/21 07:08	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/16/21 14:33	06/17/21 07:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*108*		*28 - 150*	*06/16/21 14:33*	*06/17/21 07:08*	*1*
2,4-Dichlorophenylacetic acid	*115*		*28 - 150*	*06/16/21 14:33*	*06/17/21 07:08*	*1*

Lab Sample ID: LCS 460-784592/2-A
Matrix: Solid
Analysis Batch: 784782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784592

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.0667	0.110	*	mg/L		166	36 - 139		
2,4-D			0.0667	0.122	*	mg/L		183	36 - 139		
Silvex (2,4,5-TP)			0.0167	0.0251	J *	mg/L		151	42 - 150		
Silvex (2,4,5-TP)			0.0167	0.0350	J *	mg/L		210	42 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*106*		*28 - 150*
2,4-Dichlorophenylacetic acid	*117*		*28 - 150*

Lab Sample ID: LCSD 460-784592/3-A
Matrix: Solid
Analysis Batch: 784782

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784592

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0667	0.112	*	mg/L		168	36 - 139	2	30
2,4-D			0.0667	0.114	*	mg/L		171	36 - 139	6	30
Silvex (2,4,5-TP)			0.0167	0.0242	J	mg/L		145	42 - 150	3	30
Silvex (2,4,5-TP)			0.0167	0.0335	J *	mg/L		201	42 - 150	4	30

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	101		28 - 150
2,4-Dichlorophenylacetic acid	114		28 - 150

Lab Sample ID: LB 460-783316/1-F
Matrix: Solid
Analysis Batch: 783629

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783581

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/10/21 23:53	06/11/21 11:27	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/10/21 23:53	06/11/21 11:27	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	83		28 - 150	06/10/21 23:53	06/11/21 11:27	1
2,4-Dichlorophenylacetic acid	92		28 - 150	06/10/21 23:53	06/11/21 11:27	1

Lab Sample ID: LB 460-783982/1-F
Matrix: Solid
Analysis Batch: 784259

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784099

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/14/21 14:34	06/15/21 11:35	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/14/21 14:34	06/15/21 11:35	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	84		28 - 150	06/14/21 14:34	06/15/21 11:35	1
2,4-Dichlorophenylacetic acid	90		28 - 150	06/14/21 14:34	06/15/21 11:35	1

Lab Sample ID: LB 460-784374/1-F
Matrix: Solid
Analysis Batch: 784782

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784592

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		06/16/21 14:33	06/17/21 08:16	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		06/16/21 14:33	06/17/21 08:16	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	87		28 - 150	06/16/21 14:33	06/17/21 08:16	1
2,4-Dichlorophenylacetic acid	88		28 - 150	06/16/21 14:33	06/17/21 08:16	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-783190/1-A
Matrix: Solid
Analysis Batch: 783426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783190

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/09/21 10:50	06/10/21 09:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		40 - 140	06/09/21 10:50	06/10/21 09:48	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-783190/1-A
Matrix: Solid
Analysis Batch: 783426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783190

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	105		40 - 140	06/09/21 10:50	06/10/21 09:48	1

Lab Sample ID: LCS 460-783190/2-A
Matrix: Solid
Analysis Batch: 783426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	122		mg/Kg		92	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	81		40 - 140
1-Chlorooctadecane	117		40 - 140

Lab Sample ID: LCSD 460-783190/3-A
Matrix: Solid
Analysis Batch: 783426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783190

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	133	126		mg/Kg		95	40 - 140	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	92		40 - 140
1-Chlorooctadecane	112		40 - 140

Lab Sample ID: MB 460-783455/1-A
Matrix: Solid
Analysis Batch: 783636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783455

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/10/21 10:18	06/11/21 08:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		40 - 140	06/10/21 10:18	06/11/21 08:49	1
1-Chlorooctadecane	106		40 - 140	06/10/21 10:18	06/11/21 08:49	1

Lab Sample ID: LCS 460-783455/2-A
Matrix: Solid
Analysis Batch: 783636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	108		mg/Kg		81	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	86		40 - 140
1-Chlorooctadecane	149	*	40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCSD 460-783455/3-A
Matrix: Solid
Analysis Batch: 783636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783455

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	101		mg/Kg		76	40 - 140	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*76*		*40 - 140*
1-Chlorooctadecane	*129*		*40 - 140*

Lab Sample ID: MB 460-783684/1-A
Matrix: Solid
Analysis Batch: 783814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783684

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/11/21 10:57	06/12/21 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*40 - 140*	*06/11/21 10:57*	*06/12/21 08:33*	*1*
1-Chlorooctadecane	*100*		*40 - 140*	*06/11/21 10:57*	*06/12/21 08:33*	*1*

Lab Sample ID: LCS 460-783684/2-A
Matrix: Solid
Analysis Batch: 783814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783684

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total EPH (C9-C40)			133	118		mg/Kg		89	40 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*88*		*40 - 140*
1-Chlorooctadecane	*124*		*40 - 140*

Lab Sample ID: LCSD 460-783684/3-A
Matrix: Solid
Analysis Batch: 783814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783684

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)			133	115		mg/Kg		86	40 - 140	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*87*		*40 - 140*
1-Chlorooctadecane	*122*		*40 - 140*

Lab Sample ID: MB 460-784064/1-A
Matrix: Solid
Analysis Batch: 784315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784064

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH (C9-C40)	2.0	U	2.0	2.0	mg/Kg		06/14/21 10:17	06/15/21 11:27	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-784064/1-A
Matrix: Solid
Analysis Batch: 784315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784064

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	105		40 - 140	06/14/21 10:17	06/15/21 11:27	1
1-Chlorooctadecane	103		40 - 140	06/14/21 10:17	06/15/21 11:27	1

Lab Sample ID: LCS 460-784064/2-A
Matrix: Solid
Analysis Batch: 784315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total EPH (C9-C40)	133	112		mg/Kg		84	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	101		40 - 140
1-Chlorooctadecane	105		40 - 140

Lab Sample ID: LCSD 460-784064/3-A
Matrix: Solid
Analysis Batch: 784315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total EPH (C9-C40)	133	105		mg/Kg		79	40 - 140	6	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	92		40 - 140
1-Chlorooctadecane	99		40 - 140

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-783530/1-A
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/10/21 16:40	06/11/21 15:30	1
Barium	0.20	U	0.20	0.013	mg/L		06/10/21 16:40	06/11/21 15:30	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/10/21 16:40	06/11/21 15:30	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/10/21 16:40	06/11/21 15:30	1
Lead	0.010	U	0.010	0.0024	mg/L		06/10/21 16:40	06/11/21 15:30	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/10/21 16:40	06/11/21 15:30	1
Silver	0.010	U	0.010	0.0058	mg/L		06/10/21 16:40	06/11/21 15:30	1

Lab Sample ID: LCS 460-783530/2-A ^2
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.37		mg/L		107	80 - 120
Barium	10.0	11.19		mg/L		112	80 - 120
Cadmium	1.00	1.13		mg/L		113	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-783530/2-A ^2
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	5.00	5.38		mg/L		108	80 - 120
Lead	5.00	5.64		mg/L		113	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	0.500	0.507		mg/L		101	80 - 120

Lab Sample ID: MB 460-783887/1-A
Matrix: Solid
Analysis Batch: 783933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/12/21 16:10	06/13/21 17:40	1
Barium	0.20	U	0.20	0.013	mg/L		06/12/21 16:10	06/13/21 17:40	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/12/21 16:10	06/13/21 17:40	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/12/21 16:10	06/13/21 17:40	1
Lead	0.010	U	0.010	0.0024	mg/L		06/12/21 16:10	06/13/21 17:40	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/12/21 16:10	06/13/21 17:40	1
Silver	0.010	U	0.010	0.0058	mg/L		06/12/21 16:10	06/13/21 17:40	1

Lab Sample ID: LCS 460-783887/2-A ^2
Matrix: Solid
Analysis Batch: 783933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.12		mg/L		102	80 - 120
Barium	10.0	10.74		mg/L		107	80 - 120
Cadmium	1.00	1.08		mg/L		108	80 - 120
Chromium	5.00	5.29		mg/L		106	80 - 120
Lead	5.00	5.41		mg/L		108	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.500	0.469		mg/L		94	80 - 120

Lab Sample ID: MB 460-784263/1-A
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/15/21 06:46	06/15/21 13:01	1
Barium	0.20	U	0.20	0.013	mg/L		06/15/21 06:46	06/15/21 13:01	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/15/21 06:46	06/15/21 13:01	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/15/21 06:46	06/15/21 13:01	1
Lead	0.010	U	0.010	0.0024	mg/L		06/15/21 06:46	06/15/21 13:01	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/15/21 06:46	06/15/21 13:01	1
Silver	0.010	U	0.010	0.0058	mg/L		06/15/21 06:46	06/15/21 13:01	1

Lab Sample ID: LCS 460-784263/2-A ^2
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.40		mg/L		108	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-784263/2-A ^2
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	10.0	10.82		mg/L		108	80 - 120
Cadmium	1.00	1.09		mg/L		109	80 - 120
Chromium	5.00	5.69		mg/L		114	80 - 120
Lead	5.00	5.72		mg/L		114	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.500	0.551		mg/L		110	80 - 120

Lab Sample ID: MB 460-784795/1-A
Matrix: Solid
Analysis Batch: 784855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0033	mg/L		06/17/21 07:24	06/17/21 12:23	1
Barium	0.20	U	0.20	0.013	mg/L		06/17/21 07:24	06/17/21 12:23	1
Cadmium	0.0040	U	0.0040	0.00033	mg/L		06/17/21 07:24	06/17/21 12:23	1
Chromium	0.010	U	0.010	0.0050	mg/L		06/17/21 07:24	06/17/21 12:23	1
Lead	0.010	U	0.010	0.0024	mg/L		06/17/21 07:24	06/17/21 12:23	1
Selenium	0.020	U	0.020	0.0059	mg/L		06/17/21 07:24	06/17/21 12:23	1
Silver	0.010	U	0.010	0.0058	mg/L		06/17/21 07:24	06/17/21 12:23	1

Lab Sample ID: LCS 460-784795/2-A ^2
Matrix: Solid
Analysis Batch: 784855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.01		mg/L		100	80 - 120
Barium	10.0	10.54		mg/L		105	80 - 120
Cadmium	1.00	1.07		mg/L		107	80 - 120
Chromium	5.00	5.18		mg/L		104	80 - 120
Lead	5.00	5.37		mg/L		107	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.500	0.487		mg/L		97	80 - 120

Lab Sample ID: LB 460-783316/1-E ^5
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783530

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/10/21 16:40	06/11/21 16:23	5
Barium	1.0	U	1.0	0.066	mg/L		06/10/21 16:40	06/11/21 16:23	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/10/21 16:40	06/11/21 16:23	5
Chromium	0.050	U	0.050	0.025	mg/L		06/10/21 16:40	06/11/21 16:23	5
Lead	0.050	U	0.050	0.012	mg/L		06/10/21 16:40	06/11/21 16:23	5
Selenium	0.10	U	0.10	0.029	mg/L		06/10/21 16:40	06/11/21 16:23	5
Silver	0.050	U	0.050	0.029	mg/L		06/10/21 16:40	06/11/21 16:23	5

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-236035-B-1-J MS
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 783530

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.34		mg/L		107	75 - 125
Barium	0.23	J	10.0	10.73		mg/L		105	75 - 125
Cadmium	0.020	U	1.00	1.08		mg/L		108	75 - 125
Chromium	0.050	U	5.00	5.06		mg/L		101	75 - 125
Lead	0.050	U	5.00	5.17		mg/L		103	75 - 125
Selenium	0.10	U	1.00	1.11		mg/L		111	75 - 125
Silver	0.050	U	0.500	0.493		mg/L		99	75 - 125

Lab Sample ID: 460-236035-B-1-I DU
Matrix: Solid
Analysis Batch: 783683

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 783530

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.23	J	0.217	J	mg/L		4	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-783779/1-B ^5
Matrix: Solid
Analysis Batch: 783933

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783887

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/12/21 16:10	06/13/21 18:46	5
Barium	1.0	U	1.0	0.066	mg/L		06/12/21 16:10	06/13/21 18:46	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/12/21 16:10	06/13/21 18:46	5
Chromium	0.050	U	0.050	0.025	mg/L		06/12/21 16:10	06/13/21 18:46	5
Lead	0.050	U	0.050	0.012	mg/L		06/12/21 16:10	06/13/21 18:46	5
Selenium	0.10	U	0.10	0.029	mg/L		06/12/21 16:10	06/13/21 18:46	5
Silver	0.050	U	0.050	0.029	mg/L		06/12/21 16:10	06/13/21 18:46	5

Lab Sample ID: 460-236198-J-3-E MS
Matrix: Solid
Analysis Batch: 783933

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 783887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.45		mg/L		109	75 - 125
Barium	0.13	J	10.0	10.94		mg/L		108	75 - 125
Cadmium	0.020	U	1.00	1.10		mg/L		110	75 - 125
Chromium	0.050	U	5.00	5.51		mg/L		110	75 - 125
Lead	0.050	U	5.00	5.34		mg/L		107	75 - 125
Selenium	0.10	U	1.00	1.15		mg/L		115	75 - 125
Silver	0.050	U	0.500	0.506		mg/L		101	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-236198-J-3-D DU
Matrix: Solid
Analysis Batch: 783933

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 783887

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.075	U	mg/L		NC	20
Barium	0.13	J	0.133	J	mg/L		2	20
Cadmium	0.020	U	0.020	U	mg/L		NC	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.050	U	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Lab Sample ID: LB 460-783554/1-H ^5
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784263

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/15/21 06:46	06/15/21 14:16	5
Barium	1.0	U	1.0	0.066	mg/L		06/15/21 06:46	06/15/21 14:16	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/15/21 06:46	06/15/21 14:16	5
Chromium	0.050	U	0.050	0.025	mg/L		06/15/21 06:46	06/15/21 14:16	5
Lead	0.050	U	0.050	0.012	mg/L		06/15/21 06:46	06/15/21 14:16	5
Selenium	0.10	U	0.10	0.029	mg/L		06/15/21 06:46	06/15/21 14:16	5
Silver	0.050	U	0.050	0.029	mg/L		06/15/21 06:46	06/15/21 14:16	5

Lab Sample ID: LB 460-783982/1-G ^5
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784263

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/15/21 06:46	06/15/21 14:12	5
Barium	1.0	U	1.0	0.066	mg/L		06/15/21 06:46	06/15/21 14:12	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/15/21 06:46	06/15/21 14:12	5
Chromium	0.050	U	0.050	0.025	mg/L		06/15/21 06:46	06/15/21 14:12	5
Lead	0.050	U	0.050	0.012	mg/L		06/15/21 06:46	06/15/21 14:12	5
Selenium	0.10	U	0.10	0.029	mg/L		06/15/21 06:46	06/15/21 14:12	5
Silver	0.050	U	0.050	0.029	mg/L		06/15/21 06:46	06/15/21 14:12	5

Lab Sample ID: 460-236132-H-1-J MS
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 784263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.026	J	5.00	5.74		mg/L		114	75 - 125
Barium	0.35	J	10.0	11.18		mg/L		108	75 - 125
Cadmium	0.020	U	1.00	1.10		mg/L		110	75 - 125
Chromium	0.050	U	5.00	5.81		mg/L		116	75 - 125
Lead	0.028	J	5.00	5.59		mg/L		111	75 - 125
Selenium	0.10	U	1.00	1.17		mg/L		117	75 - 125
Silver	0.050	U	0.500	0.585		mg/L		117	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-236132-H-1-I DU
Matrix: Solid
Analysis Batch: 784327

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 784263

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	0.026	J		0.0214	J	mg/L				20	20
Barium	0.35	J		0.367	J	mg/L				4	20
Cadmium	0.020	U		0.00175	J	mg/L				NC	20
Chromium	0.050	U		0.050	U	mg/L				NC	20
Lead	0.028	J		0.0360	J	mg/L				25	20
Selenium	0.10	U		0.10	U	mg/L				NC	20
Silver	0.050	U		0.050	U	mg/L				NC	20

Lab Sample ID: LB 460-784374/1-G ^5
Matrix: Solid
Analysis Batch: 784855

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784795

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.017	mg/L		06/17/21 07:26	06/17/21 13:33	5
Barium	1.0	U	1.0	0.066	mg/L		06/17/21 07:26	06/17/21 13:33	5
Cadmium	0.020	U	0.020	0.0016	mg/L		06/17/21 07:26	06/17/21 13:33	5
Chromium	0.050	U	0.050	0.025	mg/L		06/17/21 07:26	06/17/21 13:33	5
Lead	0.050	U	0.050	0.012	mg/L		06/17/21 07:26	06/17/21 13:33	5
Selenium	0.10	U	0.10	0.029	mg/L		06/17/21 07:26	06/17/21 13:33	5
Silver	0.050	U	0.050	0.029	mg/L		06/17/21 07:26	06/17/21 13:33	5

Lab Sample ID: 460-235360-G-1-J MS
Matrix: Solid
Analysis Batch: 784855

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 784795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.075	U	5.00	5.41		mg/L		108	75 - 125		
Barium	1.2		10.0	11.69		mg/L		105	75 - 125		
Cadmium	0.027		1.00	1.12		mg/L		109	75 - 125		
Chromium	0.050	U	5.00	5.35		mg/L		107	75 - 125		
Lead	0.76		5.00	5.98		mg/L		104	75 - 125		
Selenium	0.10	U	1.00	1.13		mg/L		113	75 - 125		
Silver	0.050	U	0.500	0.530		mg/L		106	75 - 125		

Lab Sample ID: 460-235360-G-1-I DU
Matrix: Solid
Analysis Batch: 784855

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 784795

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	0.075	U		0.075	U	mg/L				NC	20
Barium	1.2			1.08		mg/L				9	20
Cadmium	0.027			0.0246		mg/L				10	20
Chromium	0.050	U		0.050	U	mg/L				NC	20
Lead	0.76			0.696		mg/L				9	20
Selenium	0.10	U		0.10	U	mg/L				NC	20
Silver	0.050	U		0.050	U	mg/L				NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-784734/1-A
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Calcium	100	U	100	17.0	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Magnesium	100	U	100	10.2	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Potassium	100	U	100	11.2	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Sodium	100	U	100	15.6	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/17/21 03:39	06/17/21 10:02	1
Zinc	8.0	U	8.0	2.3	mg/Kg		06/17/21 03:39	06/17/21 10:02	1

Lab Sample ID: LCSSRM 460-784734/2-A ^5
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784734

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7031		mg/Kg		86.5	48.2 - 151.3
Antimony	134	88.86		mg/Kg		66.3	3.4 - 197.0
Arsenic	156	155.2		mg/Kg		99.5	82.7 - 117.3
Barium	239	236.2		mg/Kg		98.8	82.4 - 117.2
Beryllium	169	172.5		mg/Kg		102.1	83.4 - 117.2
Cadmium	137	141.9		mg/Kg		103.6	82.5 - 116.8
Calcium	4760	4537		mg/Kg		95.3	81.7 - 118.5
Chromium	154	151.3		mg/Kg		98.2	81.8 - 117.5
Cobalt	121	123.3		mg/Kg		101.9	83.5 - 116.5
Copper	54.9	56.65		mg/Kg		103.2	84.0 - 115.8
Iron	14100	13080		mg/Kg		92.7	60.1 - 139.7
Lead	130	135.0		mg/Kg		103.8	82.3 - 116.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-784734/2-A ^5
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784824
Prep Batch: 784734

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	2320	2313		mg/Kg		99.7	75.9 - 124.1
Manganese	269	281.0		mg/Kg		104.5	82.2 - 117.8
Nickel	53.9	56.63		mg/Kg		105.1	82.6 - 117.4
Potassium	2020	1948		mg/Kg		96.4	69.8 - 130.2
Selenium	167	165.8		mg/Kg		99.3	79.0 - 120.4
Silver	33.6	33.76		mg/Kg		100.5	79.8 - 119.9
Sodium	133	138.5	J	mg/Kg		104.1	71.5 - 128.6
Thallium	112	110.5		mg/Kg		98.7	80.6 - 118.8
Vanadium	62.6	62.39		mg/Kg		99.7	78.9 - 121.1
Zinc	158	147.9		mg/Kg		93.6	81.0 - 119.0

Lab Sample ID: 460-236101-3 MS
Client Sample ID: SP-4_WC-14_15
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 784824
Prep Batch: 784734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5060		550	5273	4	mg/Kg	☼	38	75 - 125
Antimony	0.20	J	5.50	3.18	N	mg/Kg	☼	54	75 - 125
Arsenic	2.3		11.0	13.70		mg/Kg	☼	104	75 - 125
Barium	32.8		11.0	48.23	N	mg/Kg	☼	141	75 - 125
Beryllium	0.34	J	5.50	6.21		mg/Kg	☼	107	75 - 125
Cadmium	0.20	J	5.50	5.77		mg/Kg	☼	101	75 - 125
Calcium	4770		550	5460	4	mg/Kg	☼	125	75 - 125
Chromium	12.3		11.0	27.39	N	mg/Kg	☼	138	75 - 125
Cobalt	4.9		5.50	10.67		mg/Kg	☼	105	75 - 125
Copper	24.2		11.0	36.32		mg/Kg	☼	110	75 - 125
Iron	10600		550	25090	4	mg/Kg	☼	2628	75 - 125
Lead	34.2		5.50	46.22	4	mg/Kg	☼	219	75 - 125
Magnesium	3870		550	3736	4	mg/Kg	☼	-24	75 - 125
Manganese	209		55.0	307.1	N	mg/Kg	☼	179	75 - 125
Nickel	12.5		11.0	26.83	N	mg/Kg	☼	131	75 - 125
Potassium	1580		550	1789	N	mg/Kg	☼	38	75 - 125
Selenium	1.4	U	11.0	10.78		mg/Kg	☼	98	75 - 125
Silver	1.1	U	5.50	5.66		mg/Kg	☼	103	75 - 125
Sodium	227		550	817.5		mg/Kg	☼	107	75 - 125
Thallium	0.076	J	4.40	4.55		mg/Kg	☼	102	75 - 125
Vanadium	18.3		11.0	30.22		mg/Kg	☼	108	75 - 125
Zinc	46.4		55.0	112.6		mg/Kg	☼	120	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-236101-3 DU
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: SP-4_WC-14_15
Prep Type: Total/NA
Prep Batch: 784734

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	5060			4221		mg/Kg	☼			18	20
Antimony	0.20	J		0.226	J	mg/Kg	☼			15	20
Arsenic	2.3			2.29		mg/Kg	☼			0.6	20
Barium	32.8			30.66		mg/Kg	☼			7	20
Beryllium	0.34	J		0.293	J	mg/Kg	☼			16	20
Cadmium	0.20	J		0.196	J	mg/Kg	☼			4	20
Calcium	4770			4075		mg/Kg	☼			16	20
Chromium	12.3			10.34		mg/Kg	☼			17	20
Cobalt	4.9			4.26		mg/Kg	☼			13	20
Copper	24.2			22.55		mg/Kg	☼			7	20
Iron	10600			10090		mg/Kg	☼			5	20
Lead	34.2			32.07		mg/Kg	☼			6	20
Magnesium	3870			2883	*	mg/Kg	☼			29	20
Manganese	209			199.1		mg/Kg	☼			5	20
Nickel	12.5			10.80		mg/Kg	☼			14	20
Potassium	1580			1207	*	mg/Kg	☼			27	20
Selenium	1.4	U		1.4	U	mg/Kg	☼			NC	20
Silver	1.1	U		1.1	U	mg/Kg	☼			NC	20
Sodium	227			191.3		mg/Kg	☼			17	20
Thallium	0.076	J		0.0613	J	mg/Kg	☼			22	20
Vanadium	18.3			16.38		mg/Kg	☼			11	20
Zinc	46.4			41.03		mg/Kg	☼			12	20

Lab Sample ID: MB 460-784737/1-A
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	2.6	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Calcium	100	U	100	17.0	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Chromium	2.0	U	2.0	0.17	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Copper	2.0	U	2.0	0.22	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Iron	60.0	U	60.0	20.2	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Magnesium	100	U	100	10.2	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Nickel	2.0	U	2.0	0.19	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Potassium	100	U	100	11.2	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Selenium	1.3	U	1.3	0.12	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Silver	1.0	U	1.0	0.089	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Sodium	100	U	100	15.6	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/17/21 04:19	06/17/21 10:04	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/17/21 04:19	06/17/21 10:04	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-784737/1-A
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	8.0	U	8.0	2.3	mg/Kg		06/17/21 04:19	06/17/21 10:04	1

Lab Sample ID: LCSSRM 460-784737/2-A ^5
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784737

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	7093		mg/Kg		87.2	48.2 - 151.3
Antimony	134	91.05		mg/Kg		68.0	3.4 - 197.0
Arsenic	156	153.4		mg/Kg		98.3	82.7 - 117.3
Barium	239	238.3		mg/Kg		99.7	82.4 - 117.2
Beryllium	169	172.1		mg/Kg		101.9	83.4 - 117.2
Cadmium	137	141.2		mg/Kg		103.1	82.5 - 116.8
Calcium	4760	4521		mg/Kg		95.0	81.7 - 118.5
Chromium	154	150.6		mg/Kg		97.8	81.8 - 117.5
Cobalt	121	123.4		mg/Kg		102.0	83.5 - 116.5
Copper	54.9	54.72		mg/Kg		99.7	84.0 - 115.8
Iron	14100	12980		mg/Kg		92.0	60.1 - 139.7
Lead	130	128.9		mg/Kg		99.1	82.3 - 116.9
Magnesium	2320	2300		mg/Kg		99.2	75.9 - 124.1
Manganese	269	263.5		mg/Kg		97.9	82.2 - 117.8
Nickel	53.9	55.12		mg/Kg		102.3	82.6 - 117.4
Potassium	2020	1970		mg/Kg		97.5	69.8 - 130.2
Selenium	167	163.1		mg/Kg		97.7	79.0 - 120.4
Silver	33.6	34.43		mg/Kg		102.5	79.8 - 119.9
Sodium	133	139.9	J	mg/Kg		105.2	71.5 - 128.6
Thallium	112	112.4		mg/Kg		100.3	80.6 - 118.8
Vanadium	62.6	62.22		mg/Kg		99.4	78.9 - 121.1
Zinc	158	149.9		mg/Kg		94.9	81.0 - 119.0

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-236280-A-14-D MS
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5650		607	7833	4	mg/Kg	☼	361	75 - 125
Antimony	1.2	U	6.07	3.51	N	mg/Kg	☼	58	75 - 125
Arsenic	0.98	J	12.1	13.21		mg/Kg	☼	101	75 - 125
Barium	44.8		12.1	75.41	N	mg/Kg	☼	252	75 - 125
Beryllium	0.39	J	6.07	6.44		mg/Kg	☼	100	75 - 125
Cadmium	1.2		6.07	11.18	N	mg/Kg	☼	165	75 - 125
Calcium	1060		607	1903	N	mg/Kg	☼	139	75 - 125
Chromium	11.0		12.1	26.81	N	mg/Kg	☼	130	75 - 125
Cobalt	5.4		6.07	12.08		mg/Kg	☼	111	75 - 125
Copper	8.8		12.1	26.96	N	mg/Kg	☼	149	75 - 125
Iron	8160		607	9562	4	mg/Kg	☼	231	75 - 125
Lead	6.4		6.07	43.44	N	mg/Kg	☼	610	75 - 125
Magnesium	2960		607	3822	4	mg/Kg	☼	143	75 - 125
Manganese	74.9		60.7	149.8		mg/Kg	☼	123	75 - 125
Nickel	12.8		12.1	33.34	N	mg/Kg	☼	169	75 - 125
Potassium	1060		607	1967	N	mg/Kg	☼	149	75 - 125
Selenium	0.44	J	12.1	11.84		mg/Kg	☼	94	75 - 125
Silver	0.16	J	6.07	7.38		mg/Kg	☼	119	75 - 125
Sodium	108	J	607	794.6		mg/Kg	☼	113	75 - 125
Thallium	0.051	J	4.85	4.89		mg/Kg	☼	100	75 - 125
Vanadium	17.1		12.1	30.71		mg/Kg	☼	112	75 - 125
Zinc	33.0		60.7	106.7		mg/Kg	☼	121	75 - 125

Lab Sample ID: 460-236280-A-14-C DU
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 784737

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	5650		5536		mg/Kg	☼	2	20
Antimony	1.2	U	1.2	U	mg/Kg	☼	NC	20
Arsenic	0.98	J	0.985	J	mg/Kg	☼	0.1	20
Barium	44.8		45.38		mg/Kg	☼	1	20
Beryllium	0.39	J	0.372	J	mg/Kg	☼	5	20
Cadmium	1.2		1.14	J	mg/Kg	☼	2	20
Calcium	1060		1063		mg/Kg	☼	0.2	20
Chromium	11.0		10.93		mg/Kg	☼	0.6	20
Cobalt	5.4		5.20		mg/Kg	☼	3	20
Copper	8.8		9.20		mg/Kg	☼	4	20
Iron	8160		7938		mg/Kg	☼	3	20
Lead	6.4		6.39		mg/Kg	☼	0.1	20
Magnesium	2960		2991		mg/Kg	☼	1	20
Manganese	74.9		73.36		mg/Kg	☼	2	20
Nickel	12.8		12.70		mg/Kg	☼	0.6	20
Potassium	1060		1073		mg/Kg	☼	0.9	20
Selenium	0.44	J	0.333	J	mg/Kg	☼	27	20
Silver	0.16	J	0.166	J	mg/Kg	☼	7	20
Sodium	108	J	114.3	J	mg/Kg	☼	6	20
Thallium	0.051	J	0.0532	J	mg/Kg	☼	4	20
Vanadium	17.1		17.29		mg/Kg	☼	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-236280-A-14-C DU
Matrix: Solid
Analysis Batch: 784824

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 784737

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	33.0		32.53		mg/Kg	☼	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-783473/1-A
Matrix: Solid
Analysis Batch: 783532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:48	06/10/21 15:48	1

Lab Sample ID: LCS 460-783473/2-A
Matrix: Solid
Analysis Batch: 783532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00493		mg/L		99	80 - 120

Lab Sample ID: MB 460-784094/1-A
Matrix: Solid
Analysis Batch: 784129

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 13:58	06/14/21 14:51	1

Lab Sample ID: LCS 460-784094/2-A
Matrix: Solid
Analysis Batch: 784129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00504		mg/L		101	80 - 120

Lab Sample ID: MB 460-784562/1-A
Matrix: Solid
Analysis Batch: 784655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/16/21 12:40	06/16/21 14:26	1

Lab Sample ID: LCS 460-784562/2-A
Matrix: Solid
Analysis Batch: 784655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00502		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 460-783316/1-D
Matrix: Solid
Analysis Batch: 783532

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783473

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/10/21 12:49	06/10/21 16:26	1

Lab Sample ID: 460-236042-11 MS
Matrix: Solid
Analysis Batch: 783532

Client Sample ID: WC-21_WC-22 (10-18)
Prep Type: TCLP
Prep Batch: 783473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00491		mg/L		98	75 - 125

Lab Sample ID: 460-236042-11 DU
Matrix: Solid
Analysis Batch: 783532

Client Sample ID: WC-21_WC-22 (10-18)
Prep Type: TCLP
Prep Batch: 783473

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Lab Sample ID: LB 460-783779/1-G
Matrix: Solid
Analysis Batch: 784129

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784094

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 14:01	06/14/21 15:45	1

Lab Sample ID: LB 460-783982/1-C
Matrix: Solid
Analysis Batch: 784129

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784094

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000091	mg/L		06/14/21 14:01	06/14/21 15:48	1

Lab Sample ID: LB 460-784374/1-E
Matrix: Solid
Analysis Batch: 784655

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 784562

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000967	J	0.00020	0.000091	mg/L		06/16/21 12:41	06/16/21 15:22	1

Lab Sample ID: 460-231952-A-3-G MS
Matrix: Solid
Analysis Batch: 784655

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 784562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00010	J B	0.00500	0.00523		mg/L		103	75 - 125

Lab Sample ID: 460-231952-A-3-F DU
Matrix: Solid
Analysis Batch: 784655

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 784562

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00010	J B	0.000159	J	mg/L		43	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-783361/1-A
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/10/21 03:54	06/10/21 08:28	1

Lab Sample ID: LCSSRM 460-783361/2-A ^40
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783361

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	20.38		mg/Kg		99.4	71.7 - 128.3

Lab Sample ID: 460-235993-D-5-B MS
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.018	U	0.0905	0.0810		mg/Kg	☼	90	80 - 120

Lab Sample ID: 460-235993-A-5-D DU
Matrix: Solid
Analysis Batch: 783461

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783361

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.018	U	0.018	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-783593/10-A
Matrix: Solid
Analysis Batch: 783691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/11/21 03:05	06/11/21 07:28	1

Lab Sample ID: LCSSRM 460-783593/11-A ^40
Matrix: Solid
Analysis Batch: 783691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783593

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	20.90		mg/Kg		101.9	71.7 - 128.3

Lab Sample ID: 460-236098-H-1-C MS
Matrix: Solid
Analysis Batch: 783691

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0095	J	0.0860	0.110		mg/Kg	☼	117	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-236098-H-1-B DU
Matrix: Solid
Analysis Batch: 783691

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 783593

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0095	J	0.0115	J	mg/Kg	☼	20	20

Lab Sample ID: MB 460-784000/1-A
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/14/21 03:50	06/14/21 08:21	1

Lab Sample ID: LCSSRM 460-784000/2-A ^40
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784000

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	21.32		mg/Kg		104.0	71.7 - 128.3

Lab Sample ID: 460-236259-H-1-D MS
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.028		0.0816	0.107		mg/Kg	☼	98	80 - 120

Lab Sample ID: 460-236259-H-1-C DU
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 784000

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.028		0.0294		mg/Kg	☼	7	20

Lab Sample ID: MB 460-784004/1-A
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/14/21 04:14	06/14/21 09:21	1

Lab Sample ID: LCSSRM 460-784004/2-A ^40
Matrix: Solid
Analysis Batch: 784076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784004

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	21.08		mg/Kg		102.8	71.7 - 128.3

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-236217-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784076 — **Prep Batch: 784004**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.35		0.0883	0.470	N	mg/Kg	☼	137	80 - 120

Lab Sample ID: 460-236217-A-1-C DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784076 — **Prep Batch: 784004**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.35		0.363		mg/Kg	☼	4	20

Lab Sample ID: MB 460-784227/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784314 — **Prep Batch: 784227**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		06/15/21 03:31	06/15/21 07:41	1

Lab Sample ID: LCSSRM 460-784227/2-A ^40 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784314 — **Prep Batch: 784227**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	20.5	22.21		mg/Kg		108.4	71.7 - 128.3

Lab Sample ID: 460-236248-B-11-H MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784314 — **Prep Batch: 784227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.067		0.0930	0.191	N	mg/Kg	☼	133	80 - 120

Lab Sample ID: 460-236248-B-11-G DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 784314 — **Prep Batch: 784227**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.067		0.0706		mg/Kg	☼	5	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-235497-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 783214

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 1030 - Ignitability, Solids (Continued)

Lab Sample ID: 460-236534-C-1 DU
Matrix: Solid
Analysis Batch: 784814

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 410-141108/1
Matrix: Solid
Analysis Batch: 141108

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.4	mg/L			06/23/21 10:28	1

Lab Sample ID: LCS 410-141108/2
Matrix: Solid
Analysis Batch: 141108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	37.10		mg/L		93	78 - 114

Lab Sample ID: LCSD 410-141108/3
Matrix: Solid
Analysis Batch: 141108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM	40.0	36.60		mg/L		92	78 - 114	1	13

Lab Sample ID: 410-43486-G-1 MS
Matrix: Solid
Analysis Batch: 141108

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	5.5	U	43.5	37.50		mg/L		86	78 - 114

Method: 410.4 - COD

Lab Sample ID: MRL 460-784700/3
Matrix: Solid
Analysis Batch: 784700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10.0	10.94		mg/L		109	

Lab Sample ID: MB 460-785346/4
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1

Method: 410.4 - COD (Continued)

Lab Sample ID: LCSSRM 460-785346/5
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	103	100.3		mg/Kg		97.4	76.6 - 120.4

Lab Sample ID: MRL 460-785346/3
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10.0	10.0	U	mg/L		97	

Lab Sample ID: LB 460-783319/1-A
Matrix: Solid
Analysis Batch: 784700

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1

Lab Sample ID: LB 460-783562/1-A
Matrix: Solid
Analysis Batch: 784700

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/16/21 22:22	1

Lab Sample ID: 460-236042-1 MS
Matrix: Solid
Analysis Batch: 784700

Client Sample ID: WC-21 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10.0	U	50.0	54.16		mg/Kg		108	90 - 110

Lab Sample ID: 460-236042-1 MSD
Matrix: Solid
Analysis Batch: 784700

Client Sample ID: WC-21 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	10.0	U	50.0	52.87		mg/Kg		106	90 - 110	2	10

Lab Sample ID: LB 460-783783/1-A
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1

Method: 410.4 - COD (Continued)

Lab Sample ID: LB 460-783985/1-A
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10.0	U	10.0	10.0	mg/Kg			06/19/21 18:45	1

Lab Sample ID: 460-236240-1 MS
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: WL-6 (0-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	10.0	U	50.0	53.19		mg/Kg		106	90 - 110		

Lab Sample ID: 460-236240-1 MSD
Matrix: Solid
Analysis Batch: 785346

Client Sample ID: WL-6 (0-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	10.0	U	50.0	51.58		mg/Kg		103	90 - 110	3	10

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 460-784127/220
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 19:21	1

Lab Sample ID: MB 460-784127/99
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 13:21	1

Lab Sample ID: LCS 460-784127/100
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.07		mg/L		104	89 - 113		

Lab Sample ID: LCS 460-784127/219
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.07		mg/L		104	89 - 113		

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: MRL 460-784127/12
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			0.100	0.107		mg/L		107	50 - 150		

Lab Sample ID: 460-235815-J-7 MS
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.52		2.00	2.62		mg/L		105	89 - 113		

Lab Sample ID: 460-235815-J-7 MSD
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.52		2.00	2.61		mg/L		104	89 - 113	0	10

Lab Sample ID: LB 460-783319/1-A
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 16:55	1

Lab Sample ID: LB 460-783562/1-A
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 16:58	1

Lab Sample ID: LB 460-783783/1-A
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 16:59	1

Lab Sample ID: LB 460-783985/1-A
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.10	0.050	mg/L			06/14/21 16:53	1

Lab Sample ID: 460-236240-1 MS
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: WL-6 (0-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.10	U	2.00	2.16		mg/L		108	89 - 113		

Method: 4500 NH3 H - Ammonia

Lab Sample ID: 460-236240-1 MSD
Matrix: Solid
Analysis Batch: 784127

Client Sample ID: WL-6 (0-10)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	2.00	2.16		mg/L		108	89 - 113	0	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-137665/1-A
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		06/14/21 19:03	06/15/21 02:11	1

Lab Sample ID: LCS 410-137665/2-A
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.45		mg/Kg		89	80 - 120

Lab Sample ID: LCSI 410-137665/3-A
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137665

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	849	846.5		mg/Kg		100	80 - 120

Lab Sample ID: 460-236042-6 MSI
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: SP-3_WC-14
Prep Type: Total/NA
Prep Batch: 137665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.52	U	1160	1195		mg/Kg	☼	103	75 - 125

Lab Sample ID: 460-236042-6 MSS
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: SP-3_WC-14
Prep Type: Total/NA
Prep Batch: 137665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.52	U	48.9	44.66		mg/Kg	☼	91	75 - 125

Lab Sample ID: 460-236042-6 DU
Matrix: Solid
Analysis Batch: 137722

Client Sample ID: SP-3_WC-14
Prep Type: Total/NA
Prep Batch: 137665

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.52	U	0.52	U	mg/Kg	☼	NC	20

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MB 410-138208/1-A
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 138208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.14	mg/Kg		06/15/21 19:05	06/16/21 00:50	1

Lab Sample ID: LCS 410-138208/2-A
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 138208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	5.00	4.67		mg/Kg		93	80 - 120

Lab Sample ID: LCSI 410-138208/3-A
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 138208

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	695	659.5		mg/Kg		95	80 - 120

Lab Sample ID: 460-236240-3 MSI
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 138208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.47	U	953	868.4		mg/Kg	☼	91	75 - 125

Lab Sample ID: 460-236240-3 MSS
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 138208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.47	U	45.2	45.67		mg/Kg	☼	101	75 - 125

Lab Sample ID: 460-236240-3 DU
Matrix: Solid
Analysis Batch: 138278

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 138208

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.47	U	0.46	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-783460/2-A
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/10/21 10:26	06/10/21 13:15	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 460-783460/3-A ^20
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783460

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			95.3	63.36		mg/Kg		66.5	23.7 - 123.8		

Lab Sample ID: 460-235807-A-6-P MS
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	1.3		22.0	25.11		mg/Kg	☼	108	11 - 108		

Lab Sample ID: 460-235807-A-6-Q MSD
Matrix: Solid
Analysis Batch: 783505

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	1.3		22.0	25.44	N	mg/Kg	☼	110	11 - 108	1	40

Lab Sample ID: MB 460-783736/1-A
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/11/21 16:14	06/13/21 14:30	1

Lab Sample ID: LCSSRM 460-783736/2-A
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783736

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			95.3	96.96		mg/Kg		101.7	23.7 - 123.8		

Lab Sample ID: 460-235680-H-1-I MS
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783736

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.94	U	17.4	19.51	N	mg/Kg	☼	112	11 - 108		

Lab Sample ID: 460-235680-H-1-J MSD
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783736

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.94	U	16.2	19.86	N	mg/Kg	☼	122	11 - 108	2	40

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-236019-F-1-H MS
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783736

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.29	U	5.15	6.33	N	mg/Kg	☼	123	11 - 108

Lab Sample ID: 460-236019-F-1-I MSD
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783736

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.29	U	5.15	6.51	N	mg/Kg	☼	126	11 - 108	3	40

Lab Sample ID: MB 460-783929/2-A
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/13/21 10:41	06/13/21 13:10	1

Lab Sample ID: LCSSRM 460-783929/3-A ^20
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783929

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	95.3	101.3		mg/Kg		106.3	23.7 - 123.8

Lab Sample ID: 460-236147-4 MS
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: WL-4 (0-10)
Prep Type: Total/NA
Prep Batch: 783929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.24	U	4.85	0.322	N	mg/Kg	☼	7	11 - 108

Lab Sample ID: 460-236147-4 MSD
Matrix: Solid
Analysis Batch: 783969

Client Sample ID: WL-4 (0-10)
Prep Type: Total/NA
Prep Batch: 783929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.24	U	4.68	4.05	N	mg/Kg	☼	87	11 - 108	170	40

Lab Sample ID: MB 460-784584/1-A
Matrix: Solid
Analysis Batch: 784972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		06/16/21 14:15	06/17/21 19:49	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 460-784584/2-A ^20
Matrix: Solid
Analysis Batch: 784972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784584

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			95.3	66.24		mg/Kg		69.5	23.7 - 123.8		

Lab Sample ID: 460-235967-A-11-G MS
Matrix: Solid
Analysis Batch: 784972

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 784584

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.22	U	4.69	5.09	N	mg/Kg	☼	109	11 - 108		

Lab Sample ID: 460-235967-A-11-H MSD
Matrix: Solid
Analysis Batch: 784972

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 784584

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.22	U	4.53	4.96	N	mg/Kg	☼	110	11 - 108	3	40

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-783738/1-A
Matrix: Solid
Analysis Batch: 783743

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783738

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/11/21 16:22	06/11/21 16:28	1

Lab Sample ID: LCS 460-783738/2-A
Matrix: Solid
Analysis Batch: 783743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783738

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive			40.0	25.0	U	mg/Kg		12	10 - 100		

Lab Sample ID: 460-236042-1 DU
Matrix: Solid
Analysis Batch: 783743

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 783738

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	25.0	U		25.0	U	mg/Kg				NC	10

Lab Sample ID: MB 460-784922/1-A
Matrix: Solid
Analysis Batch: 784924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784922

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		06/17/21 18:30	06/17/21 18:35	1

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 460-784922/2-A
Matrix: Solid
Analysis Batch: 784924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-236147-2 DU
Matrix: Solid
Analysis Batch: 784924

Client Sample ID: WL-3 (0-10)
Prep Type: Total/NA
Prep Batch: 784922

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-783735/1-A
Matrix: Solid
Analysis Batch: 783740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783735

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/11/21 16:14	06/11/21 16:26	1

Lab Sample ID: LCSSRM 460-783735/3-A
Matrix: Solid
Analysis Batch: 783740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783735

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	62.6	54.50		mg/Kg		87.1	44.9 - 144.2

Lab Sample ID: 460-236042-1 MS
Matrix: Solid
Analysis Batch: 783740

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 783735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	404	311.8		mg/Kg		77	64 - 136

Lab Sample ID: 460-236042-1 MSD
Matrix: Solid
Analysis Batch: 783740

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 783735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	404	304.2		mg/Kg		75	64 - 136	2	10

Lab Sample ID: MB 460-784921/1-A
Matrix: Solid
Analysis Batch: 784923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784921

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		06/17/21 18:27	06/17/21 18:33	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCSSRM 460-784921/3-A
Matrix: Solid
Analysis Batch: 784923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784921

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			62.6	57.71		mg/Kg		92.2	44.9 - 144.2		

Lab Sample ID: 460-236147-2 MS
Matrix: Solid
Analysis Batch: 784923

Client Sample ID: WL-3 (0-10)
Prep Type: Total/NA
Prep Batch: 784921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive	20.0	U	433	390.6		mg/Kg		90	64 - 136		

Lab Sample ID: 460-236147-2 MSD
Matrix: Solid
Analysis Batch: 784923

Client Sample ID: WL-3 (0-10)
Prep Type: Total/NA
Prep Batch: 784921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	433	383.1		mg/Kg		88	64 - 136	2	10

Method: 9045D - pH

Lab Sample ID: MB 460-784102/2
Matrix: Solid
Analysis Batch: 784102

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.0				SU			06/13/21 12:02	1
Corrosivity	6.0				SU			06/13/21 12:02	1

Lab Sample ID: LCSSRM 460-784102/3
Matrix: Solid
Analysis Batch: 784102

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.2		SU		98.9	97.6 - 102.4		
Corrosivity			8.31	8.2		SU		98.9	97.6 - 102.4		

Lab Sample ID: 460-235897-F-9 DU
Matrix: Solid
Analysis Batch: 784102

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.1		6.0		SU		1	10
Corrosivity	6.1		6.0		SU		1	10

Lab Sample ID: MB 460-784545/2
Matrix: Solid
Analysis Batch: 784545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.1				SU			06/16/21 13:21	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Method: 9045D - pH (Continued)

Lab Sample ID: MB 460-784545/2
Matrix: Solid
Analysis Batch: 784545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	6.1				SU			06/16/21 13:21	1

Lab Sample ID: LCSSRM 460-784545/3
Matrix: Solid
Analysis Batch: 784545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.4		SU		100.5	97.6 - 102.4		
Corrosivity			8.31	8.4		SU		100.5	97.6 - 102.4		

Lab Sample ID: 460-236167-A-2 DU
Matrix: Solid
Analysis Batch: 784545

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	12.1			12.2		SU				0.4	10
Corrosivity	12.1			12.2		SU				0.4	10

Lab Sample ID: MB 460-784895/2
Matrix: Solid
Analysis Batch: 784895

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.8				SU			06/17/21 13:40	1
Corrosivity	5.8				SU			06/17/21 13:40	1

Lab Sample ID: LCSSRM 460-784895/3
Matrix: Solid
Analysis Batch: 784895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			8.31	8.3		SU		99.4	97.6 - 102.4		
Corrosivity			8.31	8.3		SU		99.4	97.6 - 102.4		

Lab Sample ID: 460-235253-A-3 DU
Matrix: Solid
Analysis Batch: 784895

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.4			7.4		SU				0.5	10
Corrosivity	7.4			7.4		SU				0.5	10

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-139182/1-A
Matrix: Solid
Analysis Batch: 139689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 139182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	598	U	598	199	mg/Kg		06/17/21 16:57	06/18/21 16:52	1

Lab Sample ID: LCS 410-139182/2-A
Matrix: Solid
Analysis Batch: 139689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 139182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4980	5015		mg/Kg		101	91 - 111

Lab Sample ID: 460-236042-1 MS
Matrix: Solid
Analysis Batch: 139689

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 139182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	7060		5430	13600	N	mg/Kg	☼	120	91 - 111

Lab Sample ID: 460-236042-1 MSD
Matrix: Solid
Analysis Batch: 139689

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 139182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	7060		5420	12470		mg/Kg	☼	100	91 - 111	9	26

Lab Sample ID: 460-236042-1 DU
Matrix: Solid
Analysis Batch: 139689

Client Sample ID: WC-21 (0-5)
Prep Type: Total/NA
Prep Batch: 139182

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	7060		7434		mg/Kg	☼	5	20

Lab Sample ID: MB 410-140846/1-A
Matrix: Solid
Analysis Batch: 141076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	600	U	600	200	mg/Kg		06/22/21 20:00	06/23/21 09:20	1

Lab Sample ID: LCS 410-140846/2-A
Matrix: Solid
Analysis Batch: 141076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	4970	4601		mg/Kg		93	91 - 111

Lab Sample ID: 460-236240-3 MS
Matrix: Solid
Analysis Batch: 141076

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 140846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	648	U	5510	5179		mg/Kg	☼	94	91 - 111

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: 460-236240-3 MSD
Matrix: Solid
Analysis Batch: 141076

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 140846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	648	U	5400	5105		mg/Kg	☼	95	91 - 111	1	26

Lab Sample ID: 460-236240-3 DU
Matrix: Solid
Analysis Batch: 141076

Client Sample ID: WL-5 (0-10)
Prep Type: Total/NA
Prep Batch: 140846

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oil & Grease	648	U	667	U	mg/Kg	☼	NC	20

Method: 9095B - Paint Filter

Lab Sample ID: 460-236018-D-2 DU
Matrix: Solid
Analysis Batch: 783676

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Lab Sample ID: 460-235919-F-1 DU
Matrix: Solid
Analysis Batch: 784552

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	0.500	U	0.500	U	mL/100g		NC	10

Method: Moisture - Percent Moisture

Lab Sample ID: 460-236042-12 DU
Matrix: Solid
Analysis Batch: 783187

Client Sample ID: WC-21D_(15-17)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.5		15.0		%		10	20
Percent Solids	86.5		85.0		%		2	20

Lab Sample ID: 460-236101-7 DU
Matrix: Solid
Analysis Batch: 783422

Client Sample ID: SP-5_WC-17_VOC
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.8		4.7		%		2	20
Percent Solids	95.2		95.3		%		0.1	20

Lab Sample ID: 460-236220-A-9 DU
Matrix: Solid
Analysis Batch: 783663

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.8		11.8		%		0.3	20
Percent Solids	88.2		88.2		%		0	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-236269-A-11 DU
Matrix: Solid
Analysis Batch: 783726

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	14.2			13.9		%				2	20
Percent Solids	85.8			86.1		%				0.3	20

Lab Sample ID: 460-236423-C-5 DU
Matrix: Solid
Analysis Batch: 784090

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	17.3			17.1		%				1	20
Percent Solids	82.7			82.9		%				0.2	20

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 460-783502/1
Matrix: Solid
Analysis Batch: 783502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/10/21 16:03	1

Lab Sample ID: LCSSRM 460-783502/2
Matrix: Solid
Analysis Batch: 783502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			756	697.0		mg/L		92.2	89.9 - 110.1		

Lab Sample ID: MRL 460-783502/3
Matrix: Solid
Analysis Batch: 783502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			7.56	10.0	U	mg/L		93	50 - 150		

Lab Sample ID: MB 460-783717/1
Matrix: Solid
Analysis Batch: 783717

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/11/21 14:19	1

Lab Sample ID: LCSSRM 460-783717/2
Matrix: Solid
Analysis Batch: 783717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Solids			756	757.0		mg/L		100.1	89.9 - 110.1		

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: MRL 460-783717/3
Matrix: Solid
Analysis Batch: 783717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		79	50 - 150

Lab Sample ID: MB 460-784058/1
Matrix: Solid
Analysis Batch: 784058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/14/21 09:47	1

Lab Sample ID: LCSSRM 460-784058/2
Matrix: Solid
Analysis Batch: 784058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	756	752.0		mg/L		99.5	89.9 - 110.1

Lab Sample ID: MRL 460-784058/3
Matrix: Solid
Analysis Batch: 784058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Solids	7.56	10.0	U	mg/L		106	50 - 150

Lab Sample ID: LB 460-783319/1-A
Matrix: Solid
Analysis Batch: 783502

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/10/21 16:03	1

Lab Sample ID: 460-236042-8 DU
Matrix: Solid
Analysis Batch: 783502

Client Sample ID: WC-22 (0-5)
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Solids	211		208.0		mg/L		1	5

Lab Sample ID: LB 460-783562/1-A
Matrix: Solid
Analysis Batch: 783717

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/11/21 14:19	1

Method: SM 2540B - Solids, Total (Continued)

Lab Sample ID: 460-236101-1 DU
Matrix: Solid
Analysis Batch: 783717

Client Sample ID: SP-2_WC-11_12_13
Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	101			105.0		mg/L				4	5

Lab Sample ID: LB 460-783783/1-A
Matrix: Solid
Analysis Batch: 784058

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/14/21 09:47	1

Lab Sample ID: LB 460-783985/1-A
Matrix: Solid
Analysis Batch: 784058

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	10.0	U	10.0	10.0	mg/L			06/14/21 12:55	1

Method: SM 2540G - Total, Fixed, and Volatile Solids

Lab Sample ID: MB 460-783151/1
Matrix: Solid
Analysis Batch: 783151

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/09/21 07:51	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/09/21 07:51	1

Lab Sample ID: 460-235741-E-1 DU
Matrix: Solid
Analysis Batch: 783151

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	0.94			17.66	*	%				180	5
Total Volatile Solids	84.4			105.9	*	%				23	5

Lab Sample ID: MB 460-783490/1
Matrix: Solid
Analysis Batch: 783490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/10/21 15:19	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/10/21 15:19	1

Lab Sample ID: 460-236042-8 DU
Matrix: Solid
Analysis Batch: 783490

Client Sample ID: WC-22 (0-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	95.9			94.71		%				1	5
Total Volatile Solids	3.8			5.01	*	%				29	5

Method: SM 2540G - Total, Fixed, and Volatile Solids (Continued)

Lab Sample ID: MB 460-783722/1
Matrix: Solid
Analysis Batch: 783722

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/11/21 14:48	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/11/21 14:48	1

Lab Sample ID: 460-236101-6 DU
Matrix: Solid
Analysis Batch: 783722

Client Sample ID: SP-5_WC-16-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	97.8			95.82		%				2	5
Total Volatile Solids	5.8			4.31	*	%				29	5

Lab Sample ID: MB 460-784043/1
Matrix: Solid
Analysis Batch: 784043

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	100.0		0.10	0.10	%			06/14/21 08:58	1
Total Volatile Solids	0.10	U	0.10	0.10	%			06/14/21 08:58	1

Lab Sample ID: 460-236404-E-1 DU
Matrix: Solid
Analysis Batch: 784043

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	73.5			73.85		%				0.5	5
Total Volatile Solids	5.4			5.19		%				4	5

GC/MS VOA

Prep Batch: 783079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-2	WC-21D (6-8)	Total/NA	Solid	5035	
460-236042-3	WC-21B (1-3)	Total/NA	Solid	5035	
460-236042-5	SP-1_WC-8_9_10_VOC	Total/NA	Solid	5035	
460-236042-7	SP-3_WC-14_VOC	Total/NA	Solid	5035	
460-236042-9	WC-22C (1-3)	Total/NA	Solid	5035	
460-236042-12	WC-21D_(15-17)	Total/NA	Solid	5035	
460-236042-14	WC-25D (1-3)	Total/NA	Solid	5035	
LB3 460-783079/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 783113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-2	WC-21D (6-8)	TCLP	Solid	1311	
460-236042-3	WC-21B (1-3)	TCLP	Solid	1311	
460-236042-5	SP-1_WC-8_9_10_VOC	TCLP	Solid	1311	
460-236042-7	SP-3_WC-14_VOC	TCLP	Solid	1311	
460-236042-9	WC-22C (1-3)	TCLP	Solid	1311	
460-236042-12	WC-21D_(15-17)	TCLP	Solid	1311	
460-236042-14	WC-25D (1-3)	TCLP	Solid	1311	
LB 460-783113/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 783126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-2	WC-21D (6-8)	Total/NA	Solid	8260D	783079
460-236042-3	WC-21B (1-3)	Total/NA	Solid	8260D	783079
460-236042-5	SP-1_WC-8_9_10_VOC	Total/NA	Solid	8260D	783079
460-236042-7	SP-3_WC-14_VOC	Total/NA	Solid	8260D	783079
460-236042-9	WC-22C (1-3)	Total/NA	Solid	8260D	783079
460-236042-12	WC-21D_(15-17)	Total/NA	Solid	8260D	783079
460-236042-14	WC-25D (1-3)	Total/NA	Solid	8260D	783079
LB3 460-783079/1-A	Method Blank	Total/NA	Solid	8260D	783079
MB 460-783126/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-783126/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783126/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-2	SP-2_WC-11_VOC	Total/NA	Solid	8260D	783323
460-236101-4	SP-4_WC-14_VOC	Total/NA	Solid	8260D	783323
460-236101-5	WL-1A (7-9)	Total/NA	Solid	8260D	783323
460-236101-10	WL-2A (5-7)	Total/NA	Solid	8260D	783323
LB3 460-783323/1-A	Method Blank	Total/NA	Solid	8260D	783323
MB 460-783273/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-783273/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783273/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 783323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-2	SP-2_WC-11_VOC	Total/NA	Solid	5035	
460-236101-4	SP-4_WC-14_VOC	Total/NA	Solid	5035	
460-236101-5	WL-1A (7-9)	Total/NA	Solid	5035	
460-236101-7	SP-5_WC-17_VOC	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 783323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-10	WL-2A (5-7)	Total/NA	Solid	5035	
LB3 460-783323/1-A	Method Blank	Total/NA	Solid	5035	

Leach Batch: 783358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-2	SP-2_WC-11_VOC	TCLP	Solid	1311	
460-236101-4	SP-4_WC-14_VOC	TCLP	Solid	1311	
460-236101-5	WL-1A (7-9)	TCLP	Solid	1311	
460-236101-7	SP-5_WC-17_VOC	TCLP	Solid	1311	
460-236101-10	WL-2A (5-7)	TCLP	Solid	1311	
LB 460-783358/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 783364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-7	SP-5_WC-17_VOC	Total/NA	Solid	8260D	783323
MB 460-783364/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-783364/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783364/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-3	WC-21B (1-3)	TCLP	Solid	8260D	783113
460-236042-5	SP-1_WC-8_9_10_VOC	TCLP	Solid	8260D	783113
460-236042-7	SP-3_WC-14_VOC	TCLP	Solid	8260D	783113
460-236042-12	WC-21D_(15-17)	TCLP	Solid	8260D	783113
460-236042-14	WC-25D (1-3)	TCLP	Solid	8260D	783113
LB 460-783113/1-A	Method Blank	TCLP	Solid	8260D	783113
MB 460-783376/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-783376/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783376/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 783491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-3	WL-4A (5-7)	Total/NA	Solid	5035	

Prep Batch: 783493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-1	WL-3A (4-6)	Total/NA	Solid	5035	
LB3 460-783493/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 783514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-783493/1-A	Method Blank	Total/NA	Solid	8260D	783493
MB 460-783514/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-783514/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783514/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Leach Batch: 783590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-1	WL-3A (4-6)	TCLP	Solid	1311	
460-236147-3	WL-4A (5-7)	TCLP	Solid	1311	

GC/MS VOA (Continued)

Leach Batch: 783590 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-783590/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 783615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-2	SP-2_WC-11_VOC	TCLP	Solid	8260D	783358
460-236101-4	SP-4_WC-14_VOC	TCLP	Solid	8260D	783358
460-236101-5	WL-1A (7-9)	TCLP	Solid	8260D	783358
460-236101-7	SP-5_WC-17_VOC	TCLP	Solid	8260D	783358
460-236101-10	WL-2A (5-7)	TCLP	Solid	8260D	783358
LB 460-783358/1-A	Method Blank	TCLP	Solid	8260D	783358
MB 460-783615/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-783615/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783615/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-3	WL-4A (5-7)	Total/NA	Solid	8260D	783491
MB 460-783642/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-783642/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783642/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 783730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-2	WL-6C (6-8)	Total/NA	Solid	5035	
460-236240-4	WL-5C (5-7)	Total/NA	Solid	5035	
LB3 460-783730/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 783750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-2	WC-21D (6-8)	TCLP	Solid	8260D	783113
460-236042-9	WC-22C (1-3)	TCLP	Solid	8260D	783113
MB 460-783750/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-783750/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783750/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 783905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-2	WL-6C (6-8)	Total/NA	Solid	8260D	783730
460-236240-4	WL-5C (5-7)	Total/NA	Solid	8260D	783730
LB3 460-783730/1-A	Method Blank	Total/NA	Solid	8260D	783730
MB 460-783905/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-783905/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-783905/34	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 783915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-1	CA-2E (0-2)	Total/NA	Solid	5035	
LB3 460-783915/1-A	Method Blank	Total/NA	Solid	5035	

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Leach Batch: 783980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-2	WL-6C (6-8)	TCLP	Solid	1311	
460-236240-4	WL-5C (5-7)	TCLP	Solid	1311	
460-236396-1	CA-2E (0-2)	TCLP	Solid	1311	
LB 460-783980/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 784181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-1	WL-3A (4-6)	TCLP	Solid	8260D	783590
460-236147-3	WL-4A (5-7)	TCLP	Solid	8260D	783590
LB 460-783590/1-A	Method Blank	TCLP	Solid	8260D	783590
MB 460-784181/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-784181/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-784181/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 784241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-1	CA-2E (0-2)	Total/NA	Solid	8260D	783915
LB3 460-783915/1-A	Method Blank	Total/NA	Solid	8260D	783915
MB 460-784241/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-784241/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-784241/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 784471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-2	WL-6C (6-8)	TCLP	Solid	8260D	783980
460-236240-4	WL-5C (5-7)	TCLP	Solid	8260D	783980
460-236396-1	CA-2E (0-2)	TCLP	Solid	8260D	783980
LB 460-783980/1-A	Method Blank	TCLP	Solid	8260D	783980
MB 460-784471/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-784471/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-784471/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 784815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-1	WL-3A (4-6)	Total/NA	Solid	8260D	783493
MB 460-784815/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-784815/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-784815/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 783188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3546	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3546	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3546	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3546	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3546	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3546	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3546	
MB 460-783188/1-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 783188 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-783188/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783188/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 783304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	8270E	783188
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	8270E	783188
460-236042-6	SP-3_WC-14	Total/NA	Solid	8270E	783188
460-236042-8	WC-22 (0-5)	Total/NA	Solid	8270E	783188
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	8270E	783188
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	8270E	783188
460-236042-13	WC-25 (0-5)	Total/NA	Solid	8270E	783188
MB 460-783188/1-A	Method Blank	Total/NA	Solid	8270E	783188
LCS 460-783188/2-A	Lab Control Sample	Total/NA	Solid	8270E	783188
LCSD 460-783188/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	783188

Leach Batch: 783316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	1311	
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	1311	
460-236042-6	SP-3_WC-14	TCLP	Solid	1311	
460-236042-8	WC-22 (0-5)	TCLP	Solid	1311	
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	1311	
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	1311	
460-236042-13	WC-25 (0-5)	TCLP	Solid	1311	
LB 460-783316/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 783453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	3510C	783316
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	3510C	783316
460-236042-6	SP-3_WC-14	TCLP	Solid	3510C	783316
460-236042-8	WC-22 (0-5)	TCLP	Solid	3510C	783316
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	3510C	783316
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	3510C	783316
460-236042-13	WC-25 (0-5)	TCLP	Solid	3510C	783316
LB 460-783316/1-B	Method Blank	TCLP	Solid	3510C	783316
MB 460-783453/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-783453/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-783453/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 783518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	8270E	783453
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	8270E	783453
460-236042-6	SP-3_WC-14	TCLP	Solid	8270E	783453
460-236042-8	WC-22 (0-5)	TCLP	Solid	8270E	783453
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	8270E	783453
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	8270E	783453
460-236042-13	WC-25 (0-5)	TCLP	Solid	8270E	783453
LB 460-783316/1-B	Method Blank	TCLP	Solid	8270E	783453

GC/MS Semi VOA (Continued)

Analysis Batch: 783518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783453/1-A	Method Blank	Total/NA	Solid	8270E	783453
LCS 460-783453/2-A	Lab Control Sample	Total/NA	Solid	8270E	783453
LCSD 460-783453/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	783453

Leach Batch: 783779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	1311	
460-236101-3	SP-4_WC-14_15	TCLP	Solid	1311	
460-236101-6	SP-5_WC-16-17	TCLP	Solid	1311	
460-236101-8	WL-1 (0-10)	TCLP	Solid	1311	
460-236101-9	WL-2 (0-10)	TCLP	Solid	1311	
460-236147-2	WL-3 (0-10)	TCLP	Solid	1311	
460-236147-4	WL-4 (0-10)	TCLP	Solid	1311	
LB 460-783779/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 783790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3546	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3546	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3546	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3546	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3546	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3546	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3546	
MB 460-783790/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783790/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783790/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236101-1 MS	SP-2_WC-11_12_13	Total/NA	Solid	3546	
460-236101-1 MSD	SP-2_WC-11_12_13	Total/NA	Solid	3546	

Analysis Batch: 783840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	8270E	783790
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	8270E	783790
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	8270E	783790
460-236101-8	WL-1 (0-10)	Total/NA	Solid	8270E	783790
460-236101-9	WL-2 (0-10)	Total/NA	Solid	8270E	783790
460-236147-2	WL-3 (0-10)	Total/NA	Solid	8270E	783790
460-236147-4	WL-4 (0-10)	Total/NA	Solid	8270E	783790
MB 460-783790/1-A	Method Blank	Total/NA	Solid	8270E	783790
LCS 460-783790/2-A	Lab Control Sample	Total/NA	Solid	8270E	783790
LCSD 460-783790/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	783790
460-236101-1 MS	SP-2_WC-11_12_13	Total/NA	Solid	8270E	783790
460-236101-1 MSD	SP-2_WC-11_12_13	Total/NA	Solid	8270E	783790

Prep Batch: 783920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	3510C	783779
460-236101-3	SP-4_WC-14_15	TCLP	Solid	3510C	783779
460-236101-6	SP-5_WC-16-17	TCLP	Solid	3510C	783779
460-236101-8	WL-1 (0-10)	TCLP	Solid	3510C	783779

GC/MS Semi VOA (Continued)

Prep Batch: 783920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-783779/1-C	Method Blank	TCLP	Solid	3510C	783779
MB 460-783920/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-783920/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-783920/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 783923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-9	WL-2 (0-10)	TCLP	Solid	3510C	783779
460-236147-2	WL-3 (0-10)	TCLP	Solid	3510C	783779
460-236147-4	WL-4 (0-10)	TCLP	Solid	3510C	783779
MB 460-783923/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-783923/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-783923/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 783952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	8270E	783920
460-236101-3	SP-4_WC-14_15	TCLP	Solid	8270E	783920
460-236101-6	SP-5_WC-16-17	TCLP	Solid	8270E	783920
460-236101-8	WL-1 (0-10)	TCLP	Solid	8270E	783920
LB 460-783779/1-C	Method Blank	TCLP	Solid	8270E	783920
MB 460-783920/1-A	Method Blank	Total/NA	Solid	8270E	783920
LCS 460-783920/2-A	Lab Control Sample	Total/NA	Solid	8270E	783920
LCSD 460-783920/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	783920

Analysis Batch: 783960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-9	WL-2 (0-10)	TCLP	Solid	8270E	783923
460-236147-2	WL-3 (0-10)	TCLP	Solid	8270E	783923
460-236147-4	WL-4 (0-10)	TCLP	Solid	8270E	783923
MB 460-783923/1-A	Method Blank	Total/NA	Solid	8270E	783923
LCS 460-783923/2-A	Lab Control Sample	Total/NA	Solid	8270E	783923
LCSD 460-783923/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	783923

Leach Batch: 783982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	1311	
460-236240-3	WL-5 (0-10)	TCLP	Solid	1311	
LB 460-783982/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 784045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	3510C	783982
460-236240-3	WL-5 (0-10)	TCLP	Solid	3510C	783982
LB 460-783982/1-B	Method Blank	TCLP	Solid	3510C	783982
MB 460-784045/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-784045/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-784045/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

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Prep Batch: 784053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3546	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3546	
MB 460-784053/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-784053/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-784053/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236236-A-2-I MS	Matrix Spike	Total/NA	Solid	3546	
460-236236-A-2-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 784132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	8270E	784053
460-236240-3	WL-5 (0-10)	Total/NA	Solid	8270E	784053
MB 460-784053/1-A	Method Blank	Total/NA	Solid	8270E	784053
LCS 460-784053/2-A	Lab Control Sample	Total/NA	Solid	8270E	784053
LCSD 460-784053/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	784053
460-236236-A-2-I MS	Matrix Spike	Total/NA	Solid	8270E	784053
460-236236-A-2-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	784053

Analysis Batch: 784148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	8270E	784045
460-236240-3	WL-5 (0-10)	TCLP	Solid	8270E	784045
LB 460-783982/1-B	Method Blank	TCLP	Solid	8270E	784045
MB 460-784045/1-A	Method Blank	Total/NA	Solid	8270E	784045
LCS 460-784045/2-A	Lab Control Sample	Total/NA	Solid	8270E	784045
LCSD 460-784045/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	784045

Prep Batch: 784212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	3546	
MB 460-784212/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-784212/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-784212/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236227-B-4-A MS	Matrix Spike	Total/NA	Solid	3546	
460-236227-B-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 784270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	8270E	784212
MB 460-784212/1-A	Method Blank	Total/NA	Solid	8270E	784212
LCS 460-784212/2-A	Lab Control Sample	Total/NA	Solid	8270E	784212
LCSD 460-784212/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	784212
460-236227-B-4-A MS	Matrix Spike	Total/NA	Solid	8270E	784212
460-236227-B-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	784212

Leach Batch: 784374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	1311	
LB 460-784374/1-B	Method Blank	TCLP	Solid	1311	

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Prep Batch: 784546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	3510C	784374
LB 460-784374/1-B	Method Blank	TCLP	Solid	3510C	784374
MB 460-784546/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-784546/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-784546/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 784620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	8270E	784546
LB 460-784374/1-B	Method Blank	TCLP	Solid	8270E	784546
MB 460-784546/1-A	Method Blank	Total/NA	Solid	8270E	784546
LCS 460-784546/2-A	Lab Control Sample	Total/NA	Solid	8270E	784546
LCSD 460-784546/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	784546

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Prep Batch: 783167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3546	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3546	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3546	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3546	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3546	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3546	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3546	
MB 460-783167/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783167/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783167/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236013-A-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-236013-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 783169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3546	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3546	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3546	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3546	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3546	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3546	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3546	
MB 460-783169/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783169/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783169/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236013-A-1-G MS	Matrix Spike	Total/NA	Solid	3546	
460-236013-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 783177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	NJDEP EPH	783190
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	NJDEP EPH	783190
460-236042-6	SP-3_WC-14	Total/NA	Solid	NJDEP EPH	783190

GC Semi VOA (Continued)

Analysis Batch: 783177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-8	WC-22 (0-5)	Total/NA	Solid	NJDEP EPH	783190
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	NJDEP EPH	783190
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	NJDEP EPH	783190
460-236042-13	WC-25 (0-5)	Total/NA	Solid	NJDEP EPH	783190

Prep Batch: 783190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3546	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3546	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3546	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3546	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3546	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3546	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3546	
MB 460-783190/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783190/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783190/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 783244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	3510C	783316
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	3510C	783316
460-236042-6	SP-3_WC-14	TCLP	Solid	3510C	783316
460-236042-8	WC-22 (0-5)	TCLP	Solid	3510C	783316
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	3510C	783316
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	3510C	783316
460-236042-13	WC-25 (0-5)	TCLP	Solid	3510C	783316
LB 460-783316/1-C	Method Blank	TCLP	Solid	3510C	783316
MB 460-783244/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-783244/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-783244/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Leach Batch: 783316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	1311	
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	1311	
460-236042-6	SP-3_WC-14	TCLP	Solid	1311	
460-236042-8	WC-22 (0-5)	TCLP	Solid	1311	
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	1311	
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	1311	
460-236042-13	WC-25 (0-5)	TCLP	Solid	1311	
LB 460-783316/1-C	Method Blank	TCLP	Solid	1311	
LB 460-783316/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 783338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	8151A	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	8151A	
460-236042-6	SP-3_WC-14	Total/NA	Solid	8151A	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	8151A	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	8151A	

GC Semi VOA (Continued)

Prep Batch: 783338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	8151A	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	8151A	
MB 460-783338/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783338/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-783338/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 783347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783244/1-A	Method Blank	Total/NA	Solid	8081B	783244
LCS 460-783244/2-A	Lab Control Sample	Total/NA	Solid	8081B	783244
LCSD 460-783244/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783244

Analysis Batch: 783353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	8081B	783169
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	8081B	783169
460-236042-6	SP-3_WC-14	Total/NA	Solid	8081B	783169
460-236042-8	WC-22 (0-5)	Total/NA	Solid	8081B	783169
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	8081B	783169
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	8081B	783169
460-236042-13	WC-25 (0-5)	Total/NA	Solid	8081B	783169
MB 460-783169/1-A	Method Blank	Total/NA	Solid	8081B	783169
LCS 460-783169/2-A	Lab Control Sample	Total/NA	Solid	8081B	783169
LCSD 460-783169/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783169
460-236013-A-1-G MS	Matrix Spike	Total/NA	Solid	8081B	783169
460-236013-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	783169

Analysis Batch: 783382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783338/1-A	Method Blank	Total/NA	Solid	8151A	783338
LCS 460-783338/2-A	Lab Control Sample	Total/NA	Solid	8151A	783338
LCSD 460-783338/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	783338

Analysis Batch: 783384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	8151A	783338
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	8151A	783338
460-236042-6	SP-3_WC-14	Total/NA	Solid	8151A	783338
460-236042-8	WC-22 (0-5)	Total/NA	Solid	8151A	783338
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	8151A	783338
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	8151A	783338
460-236042-13	WC-25 (0-5)	Total/NA	Solid	8151A	783338

Analysis Batch: 783424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	8082A	783167
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	8082A	783167
460-236042-6	SP-3_WC-14	Total/NA	Solid	8082A	783167
460-236042-8	WC-22 (0-5)	Total/NA	Solid	8082A	783167
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	8082A	783167
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	8082A	783167

GC Semi VOA (Continued)

Analysis Batch: 783424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-13	WC-25 (0-5)	Total/NA	Solid	8082A	783167
MB 460-783167/1-A	Method Blank	Total/NA	Solid	8082A	783167
LCS 460-783167/2-A	Lab Control Sample	Total/NA	Solid	8082A	783167
LCSD 460-783167/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	783167
460-236013-A-1-D MS	Matrix Spike	Total/NA	Solid	8082A	783167
460-236013-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	783167

Analysis Batch: 783426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783190/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	783190
LCS 460-783190/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	783190
LCSD 460-783190/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	783190

Prep Batch: 783438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3546	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3546	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3546	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3546	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3546	

Prep Batch: 783443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3546	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3546	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3546	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3546	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3546	
MB 460-783443/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783443/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783443/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 783455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3546	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3546	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3546	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3546	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3546	
MB 460-783455/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783455/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783455/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 783581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	8151A	783316
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	8151A	783316
460-236042-6	SP-3_WC-14	TCLP	Solid	8151A	783316
460-236042-8	WC-22 (0-5)	TCLP	Solid	8151A	783316
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	8151A	783316
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	8151A	783316

GC Semi VOA (Continued)

Prep Batch: 783581 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-13	WC-25 (0-5)	TCLP	Solid	8151A	783316
LB 460-783316/1-F	Method Blank	TCLP	Solid	8151A	783316
MB 460-783581/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783581/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-783581/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 783582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	8151A	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	8151A	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	8151A	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	8151A	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	8151A	
MB 460-783582/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783582/2-A	Lab Control Sample	Total/NA	Solid	8151A	
460-236101-1 MS	SP-2_WC-11_12_13	Total/NA	Solid	8151A	
460-236101-1 MSD	SP-2_WC-11_12_13	Total/NA	Solid	8151A	

Analysis Batch: 783594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	8081B	783244
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	8081B	783244
460-236042-6	SP-3_WC-14	TCLP	Solid	8081B	783244
460-236042-8	WC-22 (0-5)	TCLP	Solid	8081B	783244
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	8081B	783244
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	8081B	783244
460-236042-13	WC-25 (0-5)	TCLP	Solid	8081B	783244
LB 460-783316/1-C	Method Blank	TCLP	Solid	8081B	783244

Analysis Batch: 783597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	8081B	783443
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	8081B	783443
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	8081B	783443
460-236101-8	WL-1 (0-10)	Total/NA	Solid	8081B	783443
460-236101-9	WL-2 (0-10)	Total/NA	Solid	8081B	783443
MB 460-783443/1-A	Method Blank	Total/NA	Solid	8081B	783443
LCS 460-783443/2-A	Lab Control Sample	Total/NA	Solid	8081B	783443
LCSD 460-783443/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783443

Analysis Batch: 783629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	8151A	783581
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	8151A	783581
460-236042-6	SP-3_WC-14	TCLP	Solid	8151A	783581
460-236042-8	WC-22 (0-5)	TCLP	Solid	8151A	783581
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	8151A	783581
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	8151A	783581
460-236042-13	WC-25 (0-5)	TCLP	Solid	8151A	783581
LB 460-783316/1-F	Method Blank	TCLP	Solid	8151A	783581
MB 460-783581/1-A	Method Blank	Total/NA	Solid	8151A	783581

GC Semi VOA (Continued)

Analysis Batch: 783629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-783581/2-A	Lab Control Sample	Total/NA	Solid	8151A	783581
LCSD 460-783581/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	783581

Analysis Batch: 783630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	8151A	783582
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	8151A	783582
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	8151A	783582
460-236101-8	WL-1 (0-10)	Total/NA	Solid	8151A	783582
460-236101-9	WL-2 (0-10)	Total/NA	Solid	8151A	783582
MB 460-783582/1-A	Method Blank	Total/NA	Solid	8151A	783582
LCS 460-783582/2-A	Lab Control Sample	Total/NA	Solid	8151A	783582
460-236101-1 MS	SP-2_WC-11_12_13	Total/NA	Solid	8151A	783582
460-236101-1 MSD	SP-2_WC-11_12_13	Total/NA	Solid	8151A	783582

Analysis Batch: 783636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783455/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	783455
LCS 460-783455/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	783455
LCSD 460-783455/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	783455

Analysis Batch: 783637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	NJDEP EPH	783455
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	NJDEP EPH	783455
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	NJDEP EPH	783455
460-236101-8	WL-1 (0-10)	Total/NA	Solid	NJDEP EPH	783455
460-236101-9	WL-2 (0-10)	Total/NA	Solid	NJDEP EPH	783455

Analysis Batch: 783662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	8082A	783438
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	8082A	783438
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	8082A	783438
460-236101-8	WL-1 (0-10)	Total/NA	Solid	8082A	783438
460-236101-9	WL-2 (0-10)	Total/NA	Solid	8082A	783438

Prep Batch: 783670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3546	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3546	
MB 460-783670/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783670/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783670/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236152-H-1-C MS	Matrix Spike	Total/NA	Solid	3546	
460-236152-H-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 783671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3546	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 783671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783671/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783671/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783671/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236152-H-1-F MS	Matrix Spike	Total/NA	Solid	3546	
460-236152-H-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 783684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3546	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3546	
MB 460-783684/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783684/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783684/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 783696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-783992/1-A	Method Blank	Total/NA	Solid	8151A	783992
LCS 460-783992/2-A	Lab Control Sample	Total/NA	Solid	8151A	783992
LCSD 460-783992/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	783992
460-236141-A-13-F MS	Matrix Spike	Total/NA	Solid	8151A	783992
460-236141-A-13-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	783992

Leach Batch: 783779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	1311	
460-236101-3	SP-4_WC-14_15	TCLP	Solid	1311	
460-236101-6	SP-5_WC-16-17	TCLP	Solid	1311	
460-236101-8	WL-1 (0-10)	TCLP	Solid	1311	
460-236101-9	WL-2 (0-10)	TCLP	Solid	1311	
460-236147-2	WL-3 (0-10)	TCLP	Solid	1311	
460-236147-4	WL-4 (0-10)	TCLP	Solid	1311	
LB 460-783779/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 783793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	8151A	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	8151A	
MB 460-783793/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783793/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-783793/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-236147-2 MS	WL-3 (0-10)	Total/NA	Solid	8151A	
460-236147-2 MSD	WL-3 (0-10)	Total/NA	Solid	8151A	

Analysis Batch: 783814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	NJDEP EPH	783684
460-236147-4	WL-4 (0-10)	Total/NA	Solid	NJDEP EPH	783684
MB 460-783684/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	783684
LCS 460-783684/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	783684
LCSD 460-783684/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	783684

GC Semi VOA

Prep Batch: 783879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3546	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3546	
MB 460-783879/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783879/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783879/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236240-3 MS	WL-5 (0-10)	Total/NA	Solid	3546	
460-236240-3 MSD	WL-5 (0-10)	Total/NA	Solid	3546	

Prep Batch: 783880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3546	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3546	
MB 460-783880/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-783880/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-783880/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 783945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	3510C	783779
460-236101-3	SP-4_WC-14_15	TCLP	Solid	3510C	783779
460-236101-6	SP-5_WC-16-17	TCLP	Solid	3510C	783779
460-236101-8	WL-1 (0-10)	TCLP	Solid	3510C	783779
460-236101-9	WL-2 (0-10)	TCLP	Solid	3510C	783779
460-236147-2	WL-3 (0-10)	TCLP	Solid	3510C	783779
460-236147-4	WL-4 (0-10)	TCLP	Solid	3510C	783779
LB 460-783779/1-E	Method Blank	TCLP	Solid	3510C	783779
MB 460-783945/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-783945/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-783945/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Leach Batch: 783982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	1311	
460-236240-3	WL-5 (0-10)	TCLP	Solid	1311	
LB 460-783982/1-E	Method Blank	TCLP	Solid	1311	
LB 460-783982/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 783991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	8151A	783779
460-236101-3	SP-4_WC-14_15	TCLP	Solid	8151A	783779
460-236101-6	SP-5_WC-16-17	TCLP	Solid	8151A	783779
460-236101-8	WL-1 (0-10)	TCLP	Solid	8151A	783779
460-236101-9	WL-2 (0-10)	TCLP	Solid	8151A	783779
460-236147-2	WL-3 (0-10)	TCLP	Solid	8151A	783779
460-236147-4	WL-4 (0-10)	TCLP	Solid	8151A	783779
MB 460-783991/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783991/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-783991/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

GC Semi VOA

Prep Batch: 783992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	8151A	
MB 460-783992/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-783992/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-783992/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-236141-A-13-F MS	Matrix Spike	Total/NA	Solid	8151A	
460-236141-A-13-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

Analysis Batch: 783997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	8081B	783671
460-236147-4	WL-4 (0-10)	Total/NA	Solid	8081B	783671
MB 460-783671/1-A	Method Blank	Total/NA	Solid	8081B	783671
LCS 460-783671/2-A	Lab Control Sample	Total/NA	Solid	8081B	783671
LCSD 460-783671/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783671
460-236152-H-1-F MS	Matrix Spike	Total/NA	Solid	8081B	783671
460-236152-H-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	783671

Analysis Batch: 784001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	8081B	783880
460-236240-3	WL-5 (0-10)	Total/NA	Solid	8081B	783880
MB 460-783880/1-A	Method Blank	Total/NA	Solid	8081B	783880
LCS 460-783880/2-A	Lab Control Sample	Total/NA	Solid	8081B	783880
LCSD 460-783880/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783880

Analysis Batch: 784026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	8151A	783991
460-236101-3	SP-4_WC-14_15	TCLP	Solid	8151A	783991
460-236101-6	SP-5_WC-16-17	TCLP	Solid	8151A	783991
460-236101-8	WL-1 (0-10)	TCLP	Solid	8151A	783991
460-236101-9	WL-2 (0-10)	TCLP	Solid	8151A	783991
460-236147-2	WL-3 (0-10)	TCLP	Solid	8151A	783991
460-236147-2	WL-3 (0-10)	Total/NA	Solid	8151A	783793
460-236147-4	WL-4 (0-10)	TCLP	Solid	8151A	783991
460-236147-4	WL-4 (0-10)	Total/NA	Solid	8151A	783793
MB 460-783793/1-A	Method Blank	Total/NA	Solid	8151A	783793
MB 460-783991/1-A	Method Blank	Total/NA	Solid	8151A	783991
LCS 460-783793/2-A	Lab Control Sample	Total/NA	Solid	8151A	783793
LCS 460-783991/2-A	Lab Control Sample	Total/NA	Solid	8151A	783991
LCSD 460-783793/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	783793
LCSD 460-783991/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	783991
460-236147-2 MS	WL-3 (0-10)	Total/NA	Solid	8151A	783793
460-236147-2 MSD	WL-3 (0-10)	Total/NA	Solid	8151A	783793

Analysis Batch: 784047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	8082A	783879
460-236240-3	WL-5 (0-10)	Total/NA	Solid	8082A	783879
MB 460-783879/1-A	Method Blank	Total/NA	Solid	8082A	783879
LCS 460-783879/2-A	Lab Control Sample	Total/NA	Solid	8082A	783879

GC Semi VOA (Continued)

Analysis Batch: 784047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-783879/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	783879
460-236240-3 MS	WL-5 (0-10)	Total/NA	Solid	8082A	783879
460-236240-3 MSD	WL-5 (0-10)	Total/NA	Solid	8082A	783879

Analysis Batch: 784048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	8082A	783670
460-236147-4	WL-4 (0-10)	Total/NA	Solid	8082A	783670
MB 460-783670/1-A	Method Blank	Total/NA	Solid	8082A	783670
LCS 460-783670/2-A	Lab Control Sample	Total/NA	Solid	8082A	783670
LCSD 460-783670/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	783670
460-236152-H-1-C MS	Matrix Spike	Total/NA	Solid	8082A	783670
460-236152-H-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	783670

Prep Batch: 784064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3546	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3546	
MB 460-784064/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-784064/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-784064/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 784097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	3510C	783982
460-236240-3	WL-5 (0-10)	TCLP	Solid	3510C	783982
LB 460-783982/1-E	Method Blank	TCLP	Solid	3510C	783982
MB 460-784097/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-784097/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-784097/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 784099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	8151A	783982
460-236240-3	WL-5 (0-10)	TCLP	Solid	8151A	783982
LB 460-783982/1-F	Method Blank	TCLP	Solid	8151A	783982
MB 460-784099/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-784099/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-784099/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 784161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	3546	
MB 460-784161/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-784161/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-784161/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236243-B-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-236243-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 784165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	3546	
MB 460-784165/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-784165/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-784165/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-236243-B-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-236243-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 784215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	8151A	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	8151A	
MB 460-784215/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-784215/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-784215/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
460-236240-1 MS	WL-6 (0-10)	Total/NA	Solid	8151A	
460-236240-1 MSD	WL-6 (0-10)	Total/NA	Solid	8151A	

Analysis Batch: 784229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	8081B	784097
460-236240-3	WL-5 (0-10)	TCLP	Solid	8081B	784097
460-236396-2	CA-2 (0-2)	Total/NA	Solid	8081B	784165
LB 460-783982/1-E	Method Blank	TCLP	Solid	8081B	784097
MB 460-784097/1-A	Method Blank	Total/NA	Solid	8081B	784097
MB 460-784165/1-A	Method Blank	Total/NA	Solid	8081B	784165
LCS 460-784097/2-A	Lab Control Sample	Total/NA	Solid	8081B	784097
LCS 460-784165/2-A	Lab Control Sample	Total/NA	Solid	8081B	784165
LCSD 460-784097/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	784097
LCSD 460-784165/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	784165
460-236243-B-1-D MS	Matrix Spike	Total/NA	Solid	8081B	784165
460-236243-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	784165

Analysis Batch: 784236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	8081B	783945
460-236101-3	SP-4_WC-14_15	TCLP	Solid	8081B	783945
460-236101-6	SP-5_WC-16-17	TCLP	Solid	8081B	783945
460-236101-8	WL-1 (0-10)	TCLP	Solid	8081B	783945
460-236101-9	WL-2 (0-10)	TCLP	Solid	8081B	783945
460-236147-2	WL-3 (0-10)	TCLP	Solid	8081B	783945
460-236147-4	WL-4 (0-10)	TCLP	Solid	8081B	783945
LB 460-783779/1-E	Method Blank	TCLP	Solid	8081B	783945
MB 460-783945/1-A	Method Blank	Total/NA	Solid	8081B	783945
LCS 460-783945/2-A	Lab Control Sample	Total/NA	Solid	8081B	783945
LCSD 460-783945/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	783945

Analysis Batch: 784259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	8151A	784099
460-236240-3	WL-5 (0-10)	TCLP	Solid	8151A	784099
LB 460-783982/1-F	Method Blank	TCLP	Solid	8151A	784099

GC Semi VOA (Continued)

Analysis Batch: 784259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-784099/1-A	Method Blank	Total/NA	Solid	8151A	784099
LCS 460-784099/2-A	Lab Control Sample	Total/NA	Solid	8151A	784099
LCSD 460-784099/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	784099

Analysis Batch: 784260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	8151A	783992

Analysis Batch: 784315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	NJDEP EPH	784064
460-236240-3	WL-5 (0-10)	Total/NA	Solid	NJDEP EPH	784064
MB 460-784064/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	784064
LCS 460-784064/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	784064
LCSD 460-784064/3-A	Lab Control Sample Dup	Total/NA	Solid	NJDEP EPH	784064

Analysis Batch: 784337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	8151A	784215
460-236240-3	WL-5 (0-10)	Total/NA	Solid	8151A	784215
MB 460-784215/1-A	Method Blank	Total/NA	Solid	8151A	784215
LCS 460-784215/2-A	Lab Control Sample	Total/NA	Solid	8151A	784215
LCSD 460-784215/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	784215
460-236240-1 MS	WL-6 (0-10)	Total/NA	Solid	8151A	784215
460-236240-1 MSD	WL-6 (0-10)	Total/NA	Solid	8151A	784215

Prep Batch: 784361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	3510C	784374
LB 460-784374/1-D	Method Blank	TCLP	Solid	3510C	784374
MB 460-784361/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-784361/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-784361/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Leach Batch: 784374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	1311	
LB 460-784374/1-D	Method Blank	TCLP	Solid	1311	
LB 460-784374/1-F	Method Blank	TCLP	Solid	1311	

Analysis Batch: 784452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-784361/1-A	Method Blank	Total/NA	Solid	8081B	784361
LCS 460-784361/2-A	Lab Control Sample	Total/NA	Solid	8081B	784361
LCSD 460-784361/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	784361

Analysis Batch: 784477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	8082A	784161
MB 460-784161/1-A	Method Blank	Total/NA	Solid	8082A	784161
LCS 460-784161/2-A	Lab Control Sample	Total/NA	Solid	8082A	784161

GC Semi VOA (Continued)

Analysis Batch: 784477 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-784161/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	784161
460-236243-B-1-A MS	Matrix Spike	Total/NA	Solid	8082A	784161
460-236243-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	784161

Prep Batch: 784592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	8151A	784374
LB 460-784374/1-F	Method Blank	TCLP	Solid	8151A	784374
MB 460-784592/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-784592/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-784592/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 784722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	8081B	784361
LB 460-784374/1-D	Method Blank	TCLP	Solid	8081B	784361

Analysis Batch: 784782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	8151A	784592
LB 460-784374/1-F	Method Blank	TCLP	Solid	8151A	784592
MB 460-784592/1-A	Method Blank	Total/NA	Solid	8151A	784592
LCS 460-784592/2-A	Lab Control Sample	Total/NA	Solid	8151A	784592
LCSD 460-784592/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	784592

Metals

Leach Batch: 783316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	1311	
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	1311	
460-236042-6	SP-3_WC-14	TCLP	Solid	1311	
460-236042-8	WC-22 (0-5)	TCLP	Solid	1311	
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	1311	
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	1311	
460-236042-13	WC-25 (0-5)	TCLP	Solid	1311	
LB 460-783316/1-D	Method Blank	TCLP	Solid	1311	
LB 460-783316/1-E ^5	Method Blank	TCLP	Solid	1311	
460-236035-B-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-236042-11 MS	WC-21_WC-22 (10-18)	TCLP	Solid	1311	
460-236035-B-1-I DU	Duplicate	TCLP	Solid	1311	
460-236042-11 DU	WC-21_WC-22 (10-18)	TCLP	Solid	1311	

Prep Batch: 783361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7471B	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7471B	
460-236042-6	SP-3_WC-14	Total/NA	Solid	7471B	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7471B	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7471B	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 783361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7471B	
MB 460-783361/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-783361/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-235993-D-5-B MS	Matrix Spike	Total/NA	Solid	7471B	
460-235993-A-5-D DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 783461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7471B	783361
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7471B	783361
460-236042-6	SP-3_WC-14	Total/NA	Solid	7471B	783361
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7471B	783361
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7471B	783361
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7471B	783361
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7471B	783361
MB 460-783361/1-A	Method Blank	Total/NA	Solid	7471B	783361
LCSSRM 460-783361/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	783361
460-235993-D-5-B MS	Matrix Spike	Total/NA	Solid	7471B	783361
460-235993-A-5-D DU	Duplicate	Total/NA	Solid	7471B	783361

Prep Batch: 783473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	7470A	783316
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	7470A	783316
460-236042-6	SP-3_WC-14	TCLP	Solid	7470A	783316
460-236042-8	WC-22 (0-5)	TCLP	Solid	7470A	783316
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	7470A	783316
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783316
460-236042-13	WC-25 (0-5)	TCLP	Solid	7470A	783316
LB 460-783316/1-D	Method Blank	TCLP	Solid	7470A	783316
MB 460-783473/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-783473/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-236042-11 MS	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783316
460-236042-11 DU	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783316

Prep Batch: 783530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	3010A	783316
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	3010A	783316
460-236042-6	SP-3_WC-14	TCLP	Solid	3010A	783316
460-236042-8	WC-22 (0-5)	TCLP	Solid	3010A	783316
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	3010A	783316
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	3010A	783316
460-236042-13	WC-25 (0-5)	TCLP	Solid	3010A	783316
LB 460-783316/1-E ^5	Method Blank	TCLP	Solid	3010A	783316
MB 460-783530/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-783530/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-236035-B-1-J MS	Matrix Spike	TCLP	Solid	3010A	783316
460-236035-B-1-I DU	Duplicate	TCLP	Solid	3010A	783316

Metals

Analysis Batch: 783532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	7470A	783473
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	7470A	783473
460-236042-6	SP-3_WC-14	TCLP	Solid	7470A	783473
460-236042-8	WC-22 (0-5)	TCLP	Solid	7470A	783473
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	7470A	783473
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783473
460-236042-13	WC-25 (0-5)	TCLP	Solid	7470A	783473
LB 460-783316/1-D	Method Blank	TCLP	Solid	7470A	783473
MB 460-783473/1-A	Method Blank	Total/NA	Solid	7470A	783473
LCS 460-783473/2-A	Lab Control Sample	Total/NA	Solid	7470A	783473
460-236042-11 MS	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783473
460-236042-11 DU	WC-21_WC-22 (10-18)	TCLP	Solid	7470A	783473

Leach Batch: 783554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-783554/1-H ^5	Method Blank	TCLP	Solid	1311	
460-236132-H-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-236132-H-1-I DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 783593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7471B	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7471B	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7471B	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7471B	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7471B	
MB 460-783593/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-783593/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-236098-H-1-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-236098-H-1-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 783683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	6010D	783530
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	6010D	783530
460-236042-6	SP-3_WC-14	TCLP	Solid	6010D	783530
460-236042-8	WC-22 (0-5)	TCLP	Solid	6010D	783530
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	6010D	783530
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	6010D	783530
460-236042-13	WC-25 (0-5)	TCLP	Solid	6010D	783530
LB 460-783316/1-E ^5	Method Blank	TCLP	Solid	6010D	783530
MB 460-783530/1-A	Method Blank	Total/NA	Solid	6010D	783530
LCS 460-783530/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	783530
460-236035-B-1-J MS	Matrix Spike	TCLP	Solid	6010D	783530
460-236035-B-1-I DU	Duplicate	TCLP	Solid	6010D	783530

Analysis Batch: 783691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7471B	783593
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7471B	783593
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7471B	783593

Metals (Continued)

Analysis Batch: 783691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7471B	783593
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7471B	783593
MB 460-783593/10-A	Method Blank	Total/NA	Solid	7471B	783593
LCSSRM 460-783593/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	783593
460-236098-H-1-C MS	Matrix Spike	Total/NA	Solid	7471B	783593
460-236098-H-1-B DU	Duplicate	Total/NA	Solid	7471B	783593

Leach Batch: 783779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	1311	
460-236101-3	SP-4_WC-14_15	TCLP	Solid	1311	
460-236101-6	SP-5_WC-16-17	TCLP	Solid	1311	
460-236101-8	WL-1 (0-10)	TCLP	Solid	1311	
460-236101-9	WL-2 (0-10)	TCLP	Solid	1311	
460-236147-2	WL-3 (0-10)	TCLP	Solid	1311	
460-236147-4	WL-4 (0-10)	TCLP	Solid	1311	
LB 460-783779/1-B ^5	Method Blank	TCLP	Solid	1311	
LB 460-783779/1-G	Method Blank	TCLP	Solid	1311	
460-236198-J-3-E MS	Matrix Spike	TCLP	Solid	1311	
460-236198-J-3-D DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 783887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	3010A	783779
460-236101-3	SP-4_WC-14_15	TCLP	Solid	3010A	783779
460-236101-6	SP-5_WC-16-17	TCLP	Solid	3010A	783779
460-236101-8	WL-1 (0-10)	TCLP	Solid	3010A	783779
460-236101-9	WL-2 (0-10)	TCLP	Solid	3010A	783779
460-236147-2	WL-3 (0-10)	TCLP	Solid	3010A	783779
460-236147-4	WL-4 (0-10)	TCLP	Solid	3010A	783779
LB 460-783779/1-B ^5	Method Blank	TCLP	Solid	3010A	783779
MB 460-783887/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-783887/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-236198-J-3-E MS	Matrix Spike	TCLP	Solid	3010A	783779
460-236198-J-3-D DU	Duplicate	TCLP	Solid	3010A	783779

Analysis Batch: 783933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	6010D	783887
460-236101-3	SP-4_WC-14_15	TCLP	Solid	6010D	783887
460-236101-6	SP-5_WC-16-17	TCLP	Solid	6010D	783887
460-236101-8	WL-1 (0-10)	TCLP	Solid	6010D	783887
460-236101-9	WL-2 (0-10)	TCLP	Solid	6010D	783887
460-236147-2	WL-3 (0-10)	TCLP	Solid	6010D	783887
460-236147-4	WL-4 (0-10)	TCLP	Solid	6010D	783887
LB 460-783779/1-B ^5	Method Blank	TCLP	Solid	6010D	783887
MB 460-783887/1-A	Method Blank	Total/NA	Solid	6010D	783887
LCS 460-783887/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	783887
460-236198-J-3-E MS	Matrix Spike	TCLP	Solid	6010D	783887
460-236198-J-3-D DU	Duplicate	TCLP	Solid	6010D	783887

Metals

Leach Batch: 783982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	1311	
460-236240-3	WL-5 (0-10)	TCLP	Solid	1311	
LB 460-783982/1-C	Method Blank	TCLP	Solid	1311	
LB 460-783982/1-G ^5	Method Blank	TCLP	Solid	1311	

Prep Batch: 784000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7471B	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7471B	
MB 460-784000/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-784000/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-236259-H-1-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-236259-H-1-C DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 784004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7471B	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7471B	
MB 460-784004/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-784004/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-236217-A-1-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-236217-A-1-C DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 784076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7471B	784000
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7471B	784000
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7471B	784004
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7471B	784004
MB 460-784000/1-A	Method Blank	Total/NA	Solid	7471B	784000
MB 460-784004/1-A	Method Blank	Total/NA	Solid	7471B	784004
LCSSRM 460-784000/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	784000
LCSSRM 460-784004/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	784004
460-236217-A-1-D MS	Matrix Spike	Total/NA	Solid	7471B	784004
460-236259-H-1-D MS	Matrix Spike	Total/NA	Solid	7471B	784000
460-236217-A-1-C DU	Duplicate	Total/NA	Solid	7471B	784004
460-236259-H-1-C DU	Duplicate	Total/NA	Solid	7471B	784000

Prep Batch: 784094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	7470A	783779
460-236101-3	SP-4_WC-14_15	TCLP	Solid	7470A	783779
460-236101-6	SP-5_WC-16-17	TCLP	Solid	7470A	783779
460-236101-8	WL-1 (0-10)	TCLP	Solid	7470A	783779
460-236101-9	WL-2 (0-10)	TCLP	Solid	7470A	783779
460-236147-2	WL-3 (0-10)	TCLP	Solid	7470A	783779
460-236147-4	WL-4 (0-10)	TCLP	Solid	7470A	783779
460-236240-1	WL-6 (0-10)	TCLP	Solid	7470A	783982
460-236240-3	WL-5 (0-10)	TCLP	Solid	7470A	783982
LB 460-783779/1-G	Method Blank	TCLP	Solid	7470A	783779
LB 460-783982/1-C	Method Blank	TCLP	Solid	7470A	783982

Metals (Continued)

Prep Batch: 784094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-784094/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-784094/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 784129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	7470A	784094
460-236101-3	SP-4_WC-14_15	TCLP	Solid	7470A	784094
460-236101-6	SP-5_WC-16-17	TCLP	Solid	7470A	784094
460-236101-8	WL-1 (0-10)	TCLP	Solid	7470A	784094
460-236101-9	WL-2 (0-10)	TCLP	Solid	7470A	784094
460-236147-2	WL-3 (0-10)	TCLP	Solid	7470A	784094
460-236147-4	WL-4 (0-10)	TCLP	Solid	7470A	784094
460-236240-1	WL-6 (0-10)	TCLP	Solid	7470A	784094
460-236240-3	WL-5 (0-10)	TCLP	Solid	7470A	784094
LB 460-783779/1-G	Method Blank	TCLP	Solid	7470A	784094
LB 460-783982/1-C	Method Blank	TCLP	Solid	7470A	784094
MB 460-784094/1-A	Method Blank	Total/NA	Solid	7470A	784094
LCS 460-784094/2-A	Lab Control Sample	Total/NA	Solid	7470A	784094

Prep Batch: 784227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7471B	
MB 460-784227/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-784227/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-236248-B-11-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-236248-B-11-G DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 784263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	3010A	783982
460-236240-3	WL-5 (0-10)	TCLP	Solid	3010A	783982
LB 460-783554/1-H ^5	Method Blank	TCLP	Solid	3010A	783554
LB 460-783982/1-G ^5	Method Blank	TCLP	Solid	3010A	783982
MB 460-784263/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-784263/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-236132-H-1-J MS	Matrix Spike	TCLP	Solid	3010A	783554
460-236132-H-1-I DU	Duplicate	TCLP	Solid	3010A	783554

Analysis Batch: 784314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7471B	784227
MB 460-784227/1-A	Method Blank	Total/NA	Solid	7471B	784227
LCSSRM 460-784227/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	784227
460-236248-B-11-H MS	Matrix Spike	Total/NA	Solid	7471B	784227
460-236248-B-11-G DU	Duplicate	Total/NA	Solid	7471B	784227

Analysis Batch: 784327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	6010D	784263
460-236240-3	WL-5 (0-10)	TCLP	Solid	6010D	784263
LB 460-783554/1-H ^5	Method Blank	TCLP	Solid	6010D	784263

Metals (Continued)

Analysis Batch: 784327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-783982/1-G ^5	Method Blank	TCLP	Solid	6010D	784263
MB 460-784263/1-A	Method Blank	Total/NA	Solid	6010D	784263
LCS 460-784263/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	784263
460-236132-H-1-J MS	Matrix Spike	TCLP	Solid	6010D	784263
460-236132-H-1-I DU	Duplicate	TCLP	Solid	6010D	784263

Leach Batch: 784374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	1311	
LB 460-784374/1-E	Method Blank	TCLP	Solid	1311	
LB 460-784374/1-G ^5	Method Blank	TCLP	Solid	1311	
460-231952-A-3-G MS	Matrix Spike	TCLP	Solid	1311	
460-235360-G-1-J MS	Matrix Spike	TCLP	Solid	1311	
460-231952-A-3-F DU	Duplicate	TCLP	Solid	1311	
460-235360-G-1-I DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 784562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	7470A	784374
LB 460-784374/1-E	Method Blank	TCLP	Solid	7470A	784374
MB 460-784562/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-784562/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-231952-A-3-G MS	Matrix Spike	TCLP	Solid	7470A	784374
460-231952-A-3-F DU	Duplicate	TCLP	Solid	7470A	784374

Analysis Batch: 784655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	7470A	784562
LB 460-784374/1-E	Method Blank	TCLP	Solid	7470A	784562
MB 460-784562/1-A	Method Blank	Total/NA	Solid	7470A	784562
LCS 460-784562/2-A	Lab Control Sample	Total/NA	Solid	7470A	784562
460-231952-A-3-G MS	Matrix Spike	TCLP	Solid	7470A	784562
460-231952-A-3-F DU	Duplicate	TCLP	Solid	7470A	784562

Prep Batch: 784734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3050B	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3050B	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3050B	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3050B	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3050B	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3050B	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3050B	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3050B	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3050B	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3050B	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3050B	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3050B	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3050B	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3050B	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 784734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3050B	
MB 460-784734/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-784734/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-236101-3 MS	SP-4_WC-14_15	Total/NA	Solid	3050B	
460-236101-3 DU	SP-4_WC-14_15	Total/NA	Solid	3050B	

Prep Batch: 784737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	Total/NA	Solid	3050B	
MB 460-784737/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-784737/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-236280-A-14-D MS	Matrix Spike	Total/NA	Solid	3050B	
460-236280-A-14-C DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 784795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	3010A	784374
LB 460-784374/1-G ^5	Method Blank	TCLP	Solid	3010A	784374
MB 460-784795/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-784795/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
460-235360-G-1-J MS	Matrix Spike	TCLP	Solid	3010A	784374
460-235360-G-1-I DU	Duplicate	TCLP	Solid	3010A	784374

Analysis Batch: 784824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	6020B	784734
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	6020B	784734
460-236042-6	SP-3_WC-14	Total/NA	Solid	6020B	784734
460-236042-8	WC-22 (0-5)	Total/NA	Solid	6020B	784734
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	6020B	784734
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	6020B	784734
460-236042-13	WC-25 (0-5)	Total/NA	Solid	6020B	784734
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	6020B	784734
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	6020B	784734
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	6020B	784734
460-236101-8	WL-1 (0-10)	Total/NA	Solid	6020B	784734
460-236101-9	WL-2 (0-10)	Total/NA	Solid	6020B	784734
460-236147-2	WL-3 (0-10)	Total/NA	Solid	6020B	784734
460-236147-4	WL-4 (0-10)	Total/NA	Solid	6020B	784734
460-236240-1	WL-6 (0-10)	Total/NA	Solid	6020B	784734
460-236240-3	WL-5 (0-10)	Total/NA	Solid	6020B	784734
460-236396-2	CA-2 (0-2)	Total/NA	Solid	6020B	784737
MB 460-784734/1-A	Method Blank	Total/NA	Solid	6020B	784734
MB 460-784737/1-A	Method Blank	Total/NA	Solid	6020B	784737
LCSSRM 460-784734/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	784734
LCSSRM 460-784737/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	784737
460-236101-3 MS	SP-4_WC-14_15	Total/NA	Solid	6020B	784734
460-236280-A-14-D MS	Matrix Spike	Total/NA	Solid	6020B	784737
460-236101-3 DU	SP-4_WC-14_15	Total/NA	Solid	6020B	784734
460-236280-A-14-C DU	Duplicate	Total/NA	Solid	6020B	784737

Metals

Analysis Batch: 784855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	6010D	784795
LB 460-784374/1-G ^5	Method Blank	TCLP	Solid	6010D	784795
MB 460-784795/1-A	Method Blank	Total/NA	Solid	6010D	784795
LCS 460-784795/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	784795
460-235360-G-1-J MS	Matrix Spike	TCLP	Solid	6010D	784795
460-235360-G-1-I DU	Duplicate	TCLP	Solid	6010D	784795

General Chemistry

Prep Batch: 137665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	3060A	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	3060A	
460-236042-6	SP-3_WC-14	Total/NA	Solid	3060A	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	3060A	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	3060A	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	3060A	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	3060A	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	3060A	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	3060A	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	3060A	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	3060A	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	3060A	
MB 410-137665/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-137665/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-137665/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-236042-6 MSI	SP-3_WC-14	Total/NA	Solid	3060A	
460-236042-6 MSS	SP-3_WC-14	Total/NA	Solid	3060A	
460-236042-6 DU	SP-3_WC-14	Total/NA	Solid	3060A	

Analysis Batch: 137722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7196A	137665
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7196A	137665
460-236042-6	SP-3_WC-14	Total/NA	Solid	7196A	137665
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7196A	137665
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7196A	137665
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7196A	137665
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7196A	137665
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7196A	137665
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7196A	137665
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7196A	137665
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7196A	137665
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7196A	137665
MB 410-137665/1-A	Method Blank	Total/NA	Solid	7196A	137665
LCS 410-137665/2-A	Lab Control Sample	Total/NA	Solid	7196A	137665
LCSI 410-137665/3-A	Lab Control Sample	Total/NA	Solid	7196A	137665
460-236042-6 MSI	SP-3_WC-14	Total/NA	Solid	7196A	137665
460-236042-6 MSS	SP-3_WC-14	Total/NA	Solid	7196A	137665
460-236042-6 DU	SP-3_WC-14	Total/NA	Solid	7196A	137665

General Chemistry

Prep Batch: 138208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	3060A	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	3060A	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	3060A	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	3060A	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	3060A	
MB 410-138208/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-138208/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-138208/3-A	Lab Control Sample	Total/NA	Solid	3060A	
460-236240-3 MSI	WL-5 (0-10)	Total/NA	Solid	3060A	
460-236240-3 MSS	WL-5 (0-10)	Total/NA	Solid	3060A	
460-236240-3 DU	WL-5 (0-10)	Total/NA	Solid	3060A	

Analysis Batch: 138278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7196A	138208
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7196A	138208
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7196A	138208
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7196A	138208
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7196A	138208
MB 410-138208/1-A	Method Blank	Total/NA	Solid	7196A	138208
LCS 410-138208/2-A	Lab Control Sample	Total/NA	Solid	7196A	138208
LCSI 410-138208/3-A	Lab Control Sample	Total/NA	Solid	7196A	138208
460-236240-3 MSI	WL-5 (0-10)	Total/NA	Solid	7196A	138208
460-236240-3 MSS	WL-5 (0-10)	Total/NA	Solid	7196A	138208
460-236240-3 DU	WL-5 (0-10)	Total/NA	Solid	7196A	138208

Prep Batch: 139182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9071B	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9071B	
460-236042-6	SP-3_WC-14	Total/NA	Solid	9071B	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9071B	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9071B	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9071B	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9071B	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9071B	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9071B	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9071B	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9071B	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9071B	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9071B	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9071B	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9071B	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9071B	
MB 410-139182/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-139182/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-236042-1 MS	WC-21 (0-5)	Total/NA	Solid	9071B	
460-236042-1 MSD	WC-21 (0-5)	Total/NA	Solid	9071B	
460-236042-1 DU	WC-21 (0-5)	Total/NA	Solid	9071B	

General Chemistry

Leach Batch: 139538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	D3987-85	
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	D3987-85	
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	D3987-85	
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 139689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9071B	139182
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9071B	139182
460-236042-6	SP-3_WC-14	Total/NA	Solid	9071B	139182
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9071B	139182
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9071B	139182
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9071B	139182
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9071B	139182
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9071B	139182
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9071B	139182
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9071B	139182
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9071B	139182
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9071B	139182
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9071B	139182
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9071B	139182
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9071B	139182
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9071B	139182
MB 410-139182/1-A	Method Blank	Total/NA	Solid	9071B	139182
LCS 410-139182/2-A	Lab Control Sample	Total/NA	Solid	9071B	139182
460-236042-1 MS	WC-21 (0-5)	Total/NA	Solid	9071B	139182
460-236042-1 MSD	WC-21 (0-5)	Total/NA	Solid	9071B	139182
460-236042-1 DU	WC-21 (0-5)	Total/NA	Solid	9071B	139182

Leach Batch: 139815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	D3987-85	
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	D3987-85	
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	D3987-85	
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	D3987-85	
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	D3987-85	
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	D3987-85	
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	D3987-85	
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	D3987-85	
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	D3987-85	
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	D3987-85	
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	D3987-85	

Prep Batch: 140846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9071B	
MB 410-140846/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-140846/2-A	Lab Control Sample	Total/NA	Solid	9071B	
460-236240-3 MS	WL-5 (0-10)	Total/NA	Solid	9071B	

General Chemistry (Continued)

Prep Batch: 140846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-3 MSD	WL-5 (0-10)	Total/NA	Solid	9071B	
460-236240-3 DU	WL-5 (0-10)	Total/NA	Solid	9071B	

Analysis Batch: 141076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9071B	140846
MB 410-140846/1-A	Method Blank	Total/NA	Solid	9071B	140846
LCS 410-140846/2-A	Lab Control Sample	Total/NA	Solid	9071B	140846
460-236240-3 MS	WL-5 (0-10)	Total/NA	Solid	9071B	140846
460-236240-3 MSD	WL-5 (0-10)	Total/NA	Solid	9071B	140846
460-236240-3 DU	WL-5 (0-10)	Total/NA	Solid	9071B	140846

Analysis Batch: 141108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	1664A	139538
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	1664A	139538
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	1664A	139815
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	1664A	139538
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	1664A	139538
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	1664A	139538
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	1664A	139538
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	1664A	139815
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	1664A	139815
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	1664A	139815
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	1664A	139815
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	1664A	139815
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	1664A	139815
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	1664A	139815
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	1664A	139815
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	1664A	139815
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	1664A	139815
MB 410-141108/1	Method Blank	Total/NA	Solid	1664A	
LCS 410-141108/2	Lab Control Sample	Total/NA	Solid	1664A	
LCSD 410-141108/3	Lab Control Sample Dup	Total/NA	Solid	1664A	
410-43486-G-1 MS	Matrix Spike	Total/NA	Solid	1664A	

Analysis Batch: 783151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	SM 2540G	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	SM 2540G	
460-236042-6	SP-3_WC-14	Total/NA	Solid	SM 2540G	
MB 460-783151/1	Method Blank	Total/NA	Solid	SM 2540G	
460-235741-E-1 DU	Duplicate	Total/NA	Solid	SM 2540G	

Analysis Batch: 783187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	Moisture	
460-236042-2	WC-21D (6-8)	Total/NA	Solid	Moisture	
460-236042-3	WC-21B (1-3)	Total/NA	Solid	Moisture	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	Moisture	
460-236042-5	SP-1_WC-8_9_10_VOC	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 783187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-6	SP-3_WC-14	Total/NA	Solid	Moisture	
460-236042-7	SP-3_WC-14_VOC	Total/NA	Solid	Moisture	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	Moisture	
460-236042-9	WC-22C (1-3)	Total/NA	Solid	Moisture	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	Moisture	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	Moisture	
460-236042-12	WC-21D_(15-17)	Total/NA	Solid	Moisture	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	Moisture	
460-236042-14	WC-25D (1-3)	Total/NA	Solid	Moisture	
460-235993-E-5 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-235993-E-5 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-236042-12 DU	WC-21D_(15-17)	Total/NA	Solid	Moisture	

Analysis Batch: 783214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	1030	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	1030	
460-236042-6	SP-3_WC-14	Total/NA	Solid	1030	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	1030	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	1030	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	1030	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	1030	
460-235497-A-1 DU	Duplicate	Total/NA	Solid	1030	

Leach Batch: 783316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	TCLP	Solid	1311	
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	1311	
460-236042-6	SP-3_WC-14	TCLP	Solid	1311	
460-236042-8	WC-22 (0-5)	TCLP	Solid	1311	
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	1311	
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	1311	
460-236042-13	WC-25 (0-5)	TCLP	Solid	1311	

Leach Batch: 783319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	D3987-85	
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	D3987-85	
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	D3987-85	
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	D3987-85	
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	D3987-85	
LB 460-783319/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-236042-1 MS	WC-21 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-1 MSD	WC-21 (0-5)	ASTM Leach	Solid	D3987-85	
460-236042-8 DU	WC-22 (0-5)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 783422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 783422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-2	SP-2_WC-11_VOC	Total/NA	Solid	Moisture	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	Moisture	
460-236101-4	SP-4_WC-14_VOC	Total/NA	Solid	Moisture	
460-236101-5	WL-1A (7-9)	Total/NA	Solid	Moisture	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	Moisture	
460-236101-7	SP-5_WC-17_VOC	Total/NA	Solid	Moisture	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	Moisture	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	Moisture	
460-236101-10	WL-2A (5-7)	Total/NA	Solid	Moisture	
460-236101-7 DU	SP-5_WC-17_VOC	Total/NA	Solid	Moisture	

Prep Batch: 783460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9012B	
MB 460-783460/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-783460/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235807-A-6-P MS	Matrix Spike	Total/NA	Solid	9012B	
460-235807-A-6-Q MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Analysis Batch: 783490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-8	WC-22 (0-5)	Total/NA	Solid	SM 2540G	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	SM 2540G	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	SM 2540G	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	SM 2540G	
MB 460-783490/1	Method Blank	Total/NA	Solid	SM 2540G	
460-236042-8 DU	WC-22 (0-5)	Total/NA	Solid	SM 2540G	

Analysis Batch: 783502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	SM 2540B	783319
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	SM 2540B	783319
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	SM 2540B	783319
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	SM 2540B	783319
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	SM 2540B	783319
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	SM 2540B	783319
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	SM 2540B	783319
LB 460-783319/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	783319
MB 460-783502/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-783502/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-783502/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-236042-8 DU	WC-22 (0-5)	ASTM Leach	Solid	SM 2540B	783319

Analysis Batch: 783505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9012B	783460
MB 460-783460/2-A	Method Blank	Total/NA	Solid	9012B	783460
LCSSRM 460-783460/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	783460
460-235807-A-6-P MS	Matrix Spike	Total/NA	Solid	9012B	783460
460-235807-A-6-Q MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	783460

General Chemistry

Leach Batch: 783562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	D3987-85	
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	D3987-85	
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	D3987-85	
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	D3987-85	
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	D3987-85	
LB 460-783562/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-236101-1 DU	SP-2_WC-11_12_13	ASTM Leach	Solid	D3987-85	

Leach Batch: 783655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Soluble	Solid	DI Leach	
460-236042-4	SP-1_WC-8_9_10	Soluble	Solid	DI Leach	
460-236042-6	SP-3_WC-14	Soluble	Solid	DI Leach	
460-236042-8	WC-22 (0-5)	Soluble	Solid	DI Leach	
460-236042-10	WC-21_WC-22 (5-10)	Soluble	Solid	DI Leach	
460-236042-11	WC-21_WC-22 (10-18)	Soluble	Solid	DI Leach	
460-236042-13	WC-25 (0-5)	Soluble	Solid	DI Leach	

Analysis Batch: 783656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Soluble	Solid	9040C	783655
460-236042-1	WC-21 (0-5)	TCLP	Solid	9040C	783316
460-236042-4	SP-1_WC-8_9_10	Soluble	Solid	9040C	783655
460-236042-4	SP-1_WC-8_9_10	TCLP	Solid	9040C	783316
460-236042-6	SP-3_WC-14	Soluble	Solid	9040C	783655
460-236042-6	SP-3_WC-14	TCLP	Solid	9040C	783316
460-236042-8	WC-22 (0-5)	Soluble	Solid	9040C	783655
460-236042-8	WC-22 (0-5)	TCLP	Solid	9040C	783316
460-236042-10	WC-21_WC-22 (5-10)	Soluble	Solid	9040C	783655
460-236042-10	WC-21_WC-22 (5-10)	TCLP	Solid	9040C	783316
460-236042-11	WC-21_WC-22 (10-18)	Soluble	Solid	9040C	783655
460-236042-11	WC-21_WC-22 (10-18)	TCLP	Solid	9040C	783316
460-236042-13	WC-25 (0-5)	Soluble	Solid	9040C	783655
460-236042-13	WC-25 (0-5)	TCLP	Solid	9040C	783316

Analysis Batch: 783663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-1	WL-3A (4-6)	Total/NA	Solid	Moisture	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	Moisture	
460-236147-3	WL-4A (5-7)	Total/NA	Solid	Moisture	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	Moisture	
460-236220-A-9 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 783676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9095B	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9095B	
460-236042-6	SP-3_WC-14	Total/NA	Solid	9095B	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9095B	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9095B	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9095B	

General Chemistry (Continued)

Analysis Batch: 783676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9095B	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9095B	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9095B	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9095B	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9095B	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9095B	
460-236018-D-2 DU	Duplicate	Total/NA	Solid	9095B	

Analysis Batch: 783717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	SM 2540B	783562
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	SM 2540B	783562
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	SM 2540B	783562
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	SM 2540B	783562
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	SM 2540B	783562
LB 460-783562/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	783562
MB 460-783717/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-783717/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-783717/3	Lab Control Sample	Total/NA	Solid	SM 2540B	
460-236101-1 DU	SP-2_WC-11_12_13	ASTM Leach	Solid	SM 2540B	783562

Analysis Batch: 783722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	SM 2540G	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	SM 2540G	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	SM 2540G	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	SM 2540G	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	SM 2540G	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	SM 2540G	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	SM 2540G	
MB 460-783722/1	Method Blank	Total/NA	Solid	SM 2540G	
460-236101-6 DU	SP-5_WC-16-17	Total/NA	Solid	SM 2540G	

Analysis Batch: 783726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	Moisture	
460-236240-2	WL-6C (6-8)	Total/NA	Solid	Moisture	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	Moisture	
460-236240-4	WL-5C (5-7)	Total/NA	Solid	Moisture	
460-236269-A-11 DU	Duplicate	Total/NA	Solid	Moisture	

Prep Batch: 783735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7.3.4	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7.3.4	
460-236042-6	SP-3_WC-14	Total/NA	Solid	7.3.4	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7.3.4	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7.3.4	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7.3.4	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7.3.4	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 783735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7.3.4	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7.3.4	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7.3.4	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7.3.4	
MB 460-783735/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-783735/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-236042-1 MS	WC-21 (0-5)	Total/NA	Solid	7.3.4	
460-236042-1 MSD	WC-21 (0-5)	Total/NA	Solid	7.3.4	

Prep Batch: 783736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9012B	
460-236042-6	SP-3_WC-14	Total/NA	Solid	9012B	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9012B	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9012B	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9012B	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9012B	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9012B	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9012B	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9012B	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9012B	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9012B	
MB 460-783736/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-783736/2-A	Lab Control Sample	Total/NA	Solid	9012B	
460-235680-H-1-I MS	Matrix Spike	Total/NA	Solid	9012B	
460-235680-H-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	
460-236019-F-1-H MS	Matrix Spike	Total/NA	Solid	9012B	
460-236019-F-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

Prep Batch: 783738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7.3.3	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7.3.3	
460-236042-6	SP-3_WC-14	Total/NA	Solid	7.3.3	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7.3.3	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7.3.3	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7.3.3	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7.3.3	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7.3.3	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7.3.3	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7.3.3	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7.3.3	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7.3.3	
MB 460-783738/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-783738/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-236042-1 DU	WC-21 (0-5)	Total/NA	Solid	7.3.3	

Analysis Batch: 783740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9034	783735
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9034	783735

General Chemistry (Continued)

Analysis Batch: 783740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-6	SP-3_WC-14	Total/NA	Solid	9034	783735
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9034	783735
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9034	783735
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9034	783735
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9034	783735
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9034	783735
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9034	783735
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9034	783735
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9034	783735
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9034	783735
MB 460-783735/1-A	Method Blank	Total/NA	Solid	9034	783735
LCSSRM 460-783735/3-A	Lab Control Sample	Total/NA	Solid	9034	783735
460-236042-1 MS	WC-21 (0-5)	Total/NA	Solid	9034	783735
460-236042-1 MSD	WC-21 (0-5)	Total/NA	Solid	9034	783735

Analysis Batch: 783743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9014	783738
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9014	783738
460-236042-6	SP-3_WC-14	Total/NA	Solid	9014	783738
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9014	783738
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9014	783738
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9014	783738
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9014	783738
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9014	783738
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9014	783738
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9014	783738
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9014	783738
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9014	783738
MB 460-783738/1-A	Method Blank	Total/NA	Solid	9014	783738
LCS 460-783738/2-A	Lab Control Sample	Total/NA	Solid	9014	783738
460-236042-1 DU	WC-21 (0-5)	Total/NA	Solid	9014	783738

Leach Batch: 783779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	1311	
460-236101-3	SP-4_WC-14_15	TCLP	Solid	1311	
460-236101-6	SP-5_WC-16-17	TCLP	Solid	1311	
460-236101-8	WL-1 (0-10)	TCLP	Solid	1311	
460-236101-9	WL-2 (0-10)	TCLP	Solid	1311	
460-236147-2	WL-3 (0-10)	TCLP	Solid	1311	
460-236147-4	WL-4 (0-10)	TCLP	Solid	1311	

Leach Batch: 783783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	D3987-85	
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	D3987-85	
LB 460-783783/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

General Chemistry

Prep Batch: 783929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9012B	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9012B	
MB 460-783929/2-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-783929/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-236147-4 MS	WL-4 (0-10)	Total/NA	Solid	9012B	
460-236147-4 MSD	WL-4 (0-10)	Total/NA	Solid	9012B	

Analysis Batch: 783969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9012B	783736
460-236042-6	SP-3_WC-14	Total/NA	Solid	9012B	783736
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9012B	783736
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9012B	783736
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9012B	783736
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9012B	783736
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9012B	783736
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9012B	783736
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9012B	783736
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9012B	783736
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9012B	783736
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9012B	783929
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9012B	783929
MB 460-783736/1-A	Method Blank	Total/NA	Solid	9012B	783736
MB 460-783929/2-A	Method Blank	Total/NA	Solid	9012B	783929
LCSSRM 460-783736/2-A	Lab Control Sample	Total/NA	Solid	9012B	783736
LCSSRM 460-783929/3-A ^2	Lab Control Sample	Total/NA	Solid	9012B	783929
460-235680-H-1-I MS	Matrix Spike	Total/NA	Solid	9012B	783736
460-235680-H-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	783736
460-236019-F-1-H MS	Matrix Spike	Total/NA	Solid	9012B	783736
460-236019-F-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	783736
460-236147-4 MS	WL-4 (0-10)	Total/NA	Solid	9012B	783929
460-236147-4 MSD	WL-4 (0-10)	Total/NA	Solid	9012B	783929

Leach Batch: 783982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	TCLP	Solid	1311	
460-236240-3	WL-5 (0-10)	TCLP	Solid	1311	

Leach Batch: 783985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	D3987-85	
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	D3987-85	
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	D3987-85	
LB 460-783985/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
460-236240-1 MS	WL-6 (0-10)	ASTM Leach	Solid	D3987-85	
460-236240-1 MSD	WL-6 (0-10)	ASTM Leach	Solid	D3987-85	

Analysis Batch: 783989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	7196A	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	7196A	

General Chemistry (Continued)

Analysis Batch: 783989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-6	SP-3_WC-14	Total/NA	Solid	7196A	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	7196A	
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	7196A	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	7196A	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	7196A	
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	7196A	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	7196A	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	7196A	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	7196A	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	7196A	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7196A	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7196A	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7196A	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7196A	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7196A	

Analysis Batch: 784043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	SM 2540G	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	SM 2540G	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	SM 2540G	
MB 460-784043/1	Method Blank	Total/NA	Solid	SM 2540G	
460-236404-E-1 DU	Duplicate	Total/NA	Solid	SM 2540G	

Analysis Batch: 784058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	SM 2540B	783783
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	SM 2540B	783783
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	SM 2540B	783985
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	SM 2540B	783985
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	SM 2540B	783985
LB 460-783783/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	783783
LB 460-783985/1-A	Method Blank	ASTM Leach	Solid	SM 2540B	783985
MB 460-784058/1	Method Blank	Total/NA	Solid	SM 2540B	
LCSSRM 460-784058/2	Lab Control Sample	Total/NA	Solid	SM 2540B	
MRL 460-784058/3	Lab Control Sample	Total/NA	Solid	SM 2540B	

Analysis Batch: 784090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-1	CA-2E (0-2)	Total/NA	Solid	Moisture	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	Moisture	
460-236423-C-5 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 784102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	Total/NA	Solid	9045D	
460-236042-4	SP-1_WC-8_9_10	Total/NA	Solid	9045D	
460-236042-6	SP-3_WC-14	Total/NA	Solid	9045D	
460-236042-8	WC-22 (0-5)	Total/NA	Solid	9045D	
MB 460-784102/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-784102/3	Lab Control Sample	Total/NA	Solid	9045D	

General Chemistry (Continued)

Analysis Batch: 784102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235897-F-9 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 784127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	4500 NH3 H	783319
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	4500 NH3 H	783319
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	4500 NH3 H	783562
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	4500 NH3 H	783562
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	4500 NH3 H	783562
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	4500 NH3 H	783562
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	4500 NH3 H	783562
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	4500 NH3 H	783783
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	4500 NH3 H	783783
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	4500 NH3 H	783985
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	4500 NH3 H	783985
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	4500 NH3 H	783985
LB 460-783319/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	783319
LB 460-783562/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	783562
LB 460-783783/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	783783
LB 460-783985/1-A	Method Blank	ASTM Leach	Solid	4500 NH3 H	783985
MB 460-784127/220	Method Blank	Total/NA	Solid	4500 NH3 H	
MB 460-784127/99	Method Blank	Total/NA	Solid	4500 NH3 H	
LCS 460-784127/100	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
LCS 460-784127/219	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
MRL 460-784127/12	Lab Control Sample	Total/NA	Solid	4500 NH3 H	
460-235815-J-7 MS	Matrix Spike	Total/NA	Solid	4500 NH3 H	
460-235815-J-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	4500 NH3 H	
460-236240-1 MS	WL-6 (0-10)	ASTM Leach	Solid	4500 NH3 H	783985
460-236240-1 MSD	WL-6 (0-10)	ASTM Leach	Solid	4500 NH3 H	783985

Leach Batch: 784374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236396-2	CA-2 (0-2)	TCLP	Solid	1311	

Leach Batch: 784511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Soluble	Solid	DI Leach	
460-236101-3	SP-4_WC-14_15	Soluble	Solid	DI Leach	
460-236101-6	SP-5_WC-16-17	Soluble	Solid	DI Leach	
460-236101-8	WL-1 (0-10)	Soluble	Solid	DI Leach	
460-236101-9	WL-2 (0-10)	Soluble	Solid	DI Leach	
460-236147-2	WL-3 (0-10)	Soluble	Solid	DI Leach	
460-236147-4	WL-4 (0-10)	Soluble	Solid	DI Leach	
460-236240-1	WL-6 (0-10)	Soluble	Solid	DI Leach	
460-236240-3	WL-5 (0-10)	Soluble	Solid	DI Leach	
460-236396-2	CA-2 (0-2)	Soluble	Solid	DI Leach	

General Chemistry

Analysis Batch: 784516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Soluble	Solid	9040C	784511
460-236101-1	SP-2_WC-11_12_13	TCLP	Solid	9040C	783779
460-236101-3	SP-4_WC-14_15	Soluble	Solid	9040C	784511
460-236101-3	SP-4_WC-14_15	TCLP	Solid	9040C	783779
460-236101-6	SP-5_WC-16-17	Soluble	Solid	9040C	784511
460-236101-6	SP-5_WC-16-17	TCLP	Solid	9040C	783779
460-236101-8	WL-1 (0-10)	Soluble	Solid	9040C	784511
460-236101-8	WL-1 (0-10)	TCLP	Solid	9040C	783779
460-236101-9	WL-2 (0-10)	Soluble	Solid	9040C	784511
460-236101-9	WL-2 (0-10)	TCLP	Solid	9040C	783779
460-236147-2	WL-3 (0-10)	Soluble	Solid	9040C	784511
460-236147-2	WL-3 (0-10)	TCLP	Solid	9040C	783779
460-236147-4	WL-4 (0-10)	Soluble	Solid	9040C	784511
460-236147-4	WL-4 (0-10)	TCLP	Solid	9040C	783779
460-236240-1	WL-6 (0-10)	Soluble	Solid	9040C	784511
460-236240-1	WL-6 (0-10)	TCLP	Solid	9040C	783982
460-236240-3	WL-5 (0-10)	Soluble	Solid	9040C	784511
460-236240-3	WL-5 (0-10)	TCLP	Solid	9040C	783982
460-236396-2	CA-2 (0-2)	Soluble	Solid	9040C	784511
460-236396-2	CA-2 (0-2)	TCLP	Solid	9040C	784374

Analysis Batch: 784545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-10	WC-21_WC-22 (5-10)	Total/NA	Solid	9045D	
460-236042-11	WC-21_WC-22 (10-18)	Total/NA	Solid	9045D	
460-236042-13	WC-25 (0-5)	Total/NA	Solid	9045D	
MB 460-784545/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-784545/3	Lab Control Sample	Total/NA	Solid	9045D	
460-236167-A-2 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 784552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9095B	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9095B	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9095B	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9095B	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9095B	
460-235919-F-1 DU	Duplicate	Total/NA	Solid	9095B	

Prep Batch: 784584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9012B	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9012B	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9012B	
MB 460-784584/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-784584/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-235967-A-11-G MS	Matrix Spike	Total/NA	Solid	9012B	
460-235967-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	

General Chemistry

Analysis Batch: 784700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236042-1	WC-21 (0-5)	ASTM Leach	Solid	410.4	783319
460-236042-4	SP-1_WC-8_9_10	ASTM Leach	Solid	410.4	783319
460-236042-6	SP-3_WC-14	ASTM Leach	Solid	410.4	783319
460-236042-8	WC-22 (0-5)	ASTM Leach	Solid	410.4	783319
460-236042-10	WC-21_WC-22 (5-10)	ASTM Leach	Solid	410.4	783319
460-236042-11	WC-21_WC-22 (10-18)	ASTM Leach	Solid	410.4	783319
460-236042-13	WC-25 (0-5)	ASTM Leach	Solid	410.4	783319
460-236101-1	SP-2_WC-11_12_13	ASTM Leach	Solid	410.4	783562
460-236101-3	SP-4_WC-14_15	ASTM Leach	Solid	410.4	783562
460-236101-6	SP-5_WC-16-17	ASTM Leach	Solid	410.4	783562
460-236101-8	WL-1 (0-10)	ASTM Leach	Solid	410.4	783562
460-236101-9	WL-2 (0-10)	ASTM Leach	Solid	410.4	783562
LB 460-783319/1-A	Method Blank	ASTM Leach	Solid	410.4	783319
LB 460-783562/1-A	Method Blank	ASTM Leach	Solid	410.4	783562
MRL 460-784700/3	Lab Control Sample	Total/NA	Solid	410.4	
460-236042-1 MS	WC-21 (0-5)	ASTM Leach	Solid	410.4	783319
460-236042-1 MSD	WC-21 (0-5)	ASTM Leach	Solid	410.4	783319

Analysis Batch: 784814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	1030	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	1030	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	1030	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	1030	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	1030	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	1030	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	1030	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	1030	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	1030	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	1030	
460-236534-C-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 784895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236101-1	SP-2_WC-11_12_13	Total/NA	Solid	9045D	
460-236101-3	SP-4_WC-14_15	Total/NA	Solid	9045D	
460-236101-6	SP-5_WC-16-17	Total/NA	Solid	9045D	
460-236101-8	WL-1 (0-10)	Total/NA	Solid	9045D	
460-236101-9	WL-2 (0-10)	Total/NA	Solid	9045D	
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9045D	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9045D	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9045D	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9045D	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9045D	
MB 460-784895/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-784895/3	Lab Control Sample	Total/NA	Solid	9045D	
460-235253-A-3 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 784921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 784921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7.3.4	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7.3.4	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7.3.4	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7.3.4	
MB 460-784921/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-784921/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-236147-2 MS	WL-3 (0-10)	Total/NA	Solid	7.3.4	
460-236147-2 MSD	WL-3 (0-10)	Total/NA	Solid	7.3.4	

Prep Batch: 784922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	7.3.3	
460-236147-4	WL-4 (0-10)	Total/NA	Solid	7.3.3	
460-236240-1	WL-6 (0-10)	Total/NA	Solid	7.3.3	
460-236240-3	WL-5 (0-10)	Total/NA	Solid	7.3.3	
460-236396-2	CA-2 (0-2)	Total/NA	Solid	7.3.3	
MB 460-784922/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-784922/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-236147-2 DU	WL-3 (0-10)	Total/NA	Solid	7.3.3	

Analysis Batch: 784923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9034	784921
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9034	784921
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9034	784921
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9034	784921
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9034	784921
MB 460-784921/1-A	Method Blank	Total/NA	Solid	9034	784921
LCSSRM 460-784921/3-A	Lab Control Sample	Total/NA	Solid	9034	784921
460-236147-2 MS	WL-3 (0-10)	Total/NA	Solid	9034	784921
460-236147-2 MSD	WL-3 (0-10)	Total/NA	Solid	9034	784921

Analysis Batch: 784924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	Total/NA	Solid	9014	784922
460-236147-4	WL-4 (0-10)	Total/NA	Solid	9014	784922
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9014	784922
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9014	784922
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9014	784922
MB 460-784922/1-A	Method Blank	Total/NA	Solid	9014	784922
LCS 460-784922/2-A	Lab Control Sample	Total/NA	Solid	9014	784922
460-236147-2 DU	WL-3 (0-10)	Total/NA	Solid	9014	784922

Analysis Batch: 784972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236240-1	WL-6 (0-10)	Total/NA	Solid	9012B	784584
460-236240-3	WL-5 (0-10)	Total/NA	Solid	9012B	784584
460-236396-2	CA-2 (0-2)	Total/NA	Solid	9012B	784584
MB 460-784584/1-A	Method Blank	Total/NA	Solid	9012B	784584
LCSSRM 460-784584/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	784584
460-235967-A-11-G MS	Matrix Spike	Total/NA	Solid	9012B	784584

General Chemistry (Continued)

Analysis Batch: 784972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-235967-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	9012B	784584

Analysis Batch: 785346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-236147-2	WL-3 (0-10)	ASTM Leach	Solid	410.4	783783
460-236147-4	WL-4 (0-10)	ASTM Leach	Solid	410.4	783783
460-236240-1	WL-6 (0-10)	ASTM Leach	Solid	410.4	783985
460-236240-3	WL-5 (0-10)	ASTM Leach	Solid	410.4	783985
460-236396-2	CA-2 (0-2)	ASTM Leach	Solid	410.4	783985
LB 460-783783/1-A	Method Blank	ASTM Leach	Solid	410.4	783783
LB 460-783985/1-A	Method Blank	ASTM Leach	Solid	410.4	783985
MB 460-785346/4	Method Blank	Total/NA	Solid	410.4	
LCSSRM 460-785346/5	Lab Control Sample	Total/NA	Solid	410.4	
MRL 460-785346/3	Lab Control Sample	Total/NA	Solid	410.4	
460-236240-1 MS	WL-6 (0-10)	ASTM Leach	Solid	410.4	783985
460-236240-1 MSD	WL-6 (0-10)	ASTM Leach	Solid	410.4	783985

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21 (0-5)

Date Collected: 06/05/21 12:00
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 21:10	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 04:58	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 09:52	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 17:29	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:48	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:05	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:16	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784102	06/13/21 12:22	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783151	06/09/21 13:13	PLS	TAL EDI

Client Sample ID: WC-21 (0-5)

Lab Sample ID: 460-236042-1

Date Collected: 06/05/21 12:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/10/21 03:31	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 05:32	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		100	783424	06/10/21 14:26	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 10:57	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	783177	06/10/21 13:41	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:27	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:01	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783460	06/10/21 10:26	IAA	TAL EDI
Total/NA	Analysis	9012B		1	783505	06/10/21 13:21	RAK	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WC-21D (6-8)

Lab Sample ID: 460-236042-2

Date Collected: 06/07/21 12:45
Matrix: Solid
Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783750	06/12/21 00:27	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: WC-21D (6-8)

Lab Sample ID: 460-236042-2

Date Collected: 06/07/21 12:45
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:07	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 15:31	AAT	TAL EDI

Client Sample ID: WC-21B (1-3)

Lab Sample ID: 460-236042-3

Date Collected: 06/07/21 12:30
Matrix: Solid
Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783376	06/10/21 13:13	CJM	TAL EDI

Client Sample ID: WC-21B (1-3)

Lab Sample ID: 460-236042-3

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: WC-21B (1-3)

Lab Sample ID: 460-236042-3

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:08	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 15:55	AAT	TAL EDI

Client Sample ID: SP-1_WC-8_9_10

Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 21:31	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 05:10	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 10:06	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 15:50	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:48	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:07	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:17	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI

Client Sample ID: SP-1_WC-8_9_10

Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784102	06/13/21 12:24	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783151	06/09/21 13:13	PLS	TAL EDI

Client Sample ID: SP-1_WC-8_9_10

Lab Sample ID: 460-236042-4

Date Collected: 06/07/21 08:50

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/10/21 04:17	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 05:47	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783424	06/10/21 10:52	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 11:11	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783177	06/10/21 11:52	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:29	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:03	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:41	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: SP-1_WC-8_9_10_VOC

Lab Sample ID: 460-236042-5

Date Collected: 06/07/21 08:55

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783376	06/10/21 13:36	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: SP-1_WC-8_9_10_VOC

Lab Sample ID: 460-236042-5

Date Collected: 06/07/21 08:55

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:09	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 16:18	AAT	TAL EDI

Client Sample ID: SP-3_WC-14

Lab Sample ID: 460-236042-6

Date Collected: 06/07/21 09:00

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 21:52	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 05:48	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 10:19	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 15:54	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:48	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:09	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:19	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784102	06/13/21 12:25	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI

Client Sample ID: SP-3_WC-14

Lab Sample ID: 460-236042-6

Date Collected: 06/07/21 09:00

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	783151	06/09/21 13:13	PLS	TAL EDI

Client Sample ID: SP-3_WC-14

Lab Sample ID: 460-236042-6

Date Collected: 06/07/21 09:00

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/10/21 01:11	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 06:01	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783424	06/10/21 11:15	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 12:25	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783177	06/10/21 13:24	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:31	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:05	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:42	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: SP-3_WC-14_VOC

Lab Sample ID: 460-236042-7

Date Collected: 06/07/21 09:05

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783376	06/10/21 13:58	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: SP-3_WC-14_VOC

Lab Sample ID: 460-236042-7

Date Collected: 06/07/21 09:05

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:11	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 16:41	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-22 (0-5)

Date Collected: 06/07/21 10:05
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 22:14	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 06:01	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 10:33	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 15:58	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:49	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:11	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:20	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784102	06/13/21 12:28	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783490	06/10/21 15:19	PLS	TAL EDI

Client Sample ID: WC-22 (0-5)

Lab Sample ID: 460-236042-8

Date Collected: 06/07/21 10:05

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/10/21 03:54	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 06:16	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		5	783424	06/10/21 15:18	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 11:26	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783177	06/10/21 12:23	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:34	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:07	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:43	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WC-22C (1-3)

Lab Sample ID: 460-236042-9

Date Collected: 06/07/21 10:10

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783750	06/12/21 00:04	AMS	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: WC-22C (1-3)

Lab Sample ID: 460-236042-9

Date Collected: 06/07/21 10:10

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:12	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 17:04	AAT	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WC-21_WC-22 (5-10)

Date Collected: 06/07/21 10:40
Date Received: 06/07/21 19:00

Lab Sample ID: 460-236042-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 22:35	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 06:13	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 10:46	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 16:02	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:49	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:12	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:22	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784545	06/16/21 13:50	DMT	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783490	06/10/21 15:19	PLS	TAL EDI

Client Sample ID: WC-21_WC-22 (5-10)

Lab Sample ID: 460-236042-10

Date Collected: 06/07/21 10:40
Date Received: 06/07/21 19:00

Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/09/21 23:37	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 06:31	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783424	06/10/21 11:47	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 12:40	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783177	06/10/21 10:24	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:51	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:09	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:44	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WC-21_WC-22 (10-18)

Lab Sample ID: 460-236042-11

Date Collected: 06/07/21 11:00
Date Received: 06/07/21 19:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 22:56	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 06:25	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 11:00	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 16:06	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:48	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 15:52	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE

Client Sample ID: WC-21_WC-22 (10-18)

Lab Sample ID: 460-236042-11

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:23	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784545	06/16/21 13:52	DMT	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783490	06/10/21 15:19	PLS	TAL EDI

Client Sample ID: WC-21_WC-22 (10-18)

Lab Sample ID: 460-236042-11

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/09/21 22:04	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 06:45	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783424	06/10/21 12:02	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 12:55	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783177	06/10/21 10:07	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:54	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:15	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:45	VBG	TAL EDI

Client Sample ID: WC-21_WC-22 (10-18)

Lab Sample ID: 460-236042-11

Date Collected: 06/07/21 11:00
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WC-21D_(15-17)

Lab Sample ID: 460-236042-12

Date Collected: 06/07/21 11:05
Matrix: Solid
Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783376	06/10/21 14:43	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: WC-21D_(15-17)

Lab Sample ID: 460-236042-12

Date Collected: 06/07/21 11:05
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:13	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 17:28	AAT	TAL EDI

Client Sample ID: WC-25 (0-5)

Lab Sample ID: 460-236042-13

Date Collected: 06/07/21 11:15
Matrix: Solid
Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783453	06/10/21 10:13	OTS	TAL EDI
TCLP	Analysis	8270E		1	783518	06/10/21 23:17	MME	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783244	06/10/21 10:16	ATF	TAL EDI
TCLP	Analysis	8081B		1	783594	06/11/21 06:38	FAM	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783581	06/10/21 23:53	AFR	TAL EDI
TCLP	Analysis	8151A		1	783629	06/11/21 11:13	SAK	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783530	06/10/21 16:40	GAE	TAL EDI
TCLP	Analysis	6010D		5	783683	06/11/21 16:11	CDC	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			783473	06/10/21 12:49	RBS	TAL EDI
TCLP	Analysis	7470A		1	783532	06/10/21 16:14	RBS	TAL EDI
Total/NA	Analysis	1030		1	783214	06/09/21 12:56	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			139538	06/18/21 14:00	UNWS	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI

Client Sample ID: WC-25 (0-5)

Lab Sample ID: 460-236042-13

Date Collected: 06/07/21 11:15

Matrix: Solid

Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:28	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			783655	06/10/21 08:53	YAH	TAL EDI
Soluble	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
TCLP	Leach	1311			783316	06/09/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	783656	06/10/21 10:55	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784545	06/16/21 13:54	DMT	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783319	06/09/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783502	06/10/21 16:03	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783490	06/10/21 15:19	PLS	TAL EDI

Client Sample ID: WC-25 (0-5)

Lab Sample ID: 460-236042-13

Date Collected: 06/07/21 11:15

Matrix: Solid

Date Received: 06/07/21 19:00

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783188	06/09/21 10:44	FHW	TAL EDI
Total/NA	Analysis	8270E		1	783304	06/10/21 02:44	MME	TAL EDI
Total/NA	Prep	3546			783169	06/09/21 09:23	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783353	06/10/21 07:00	FAM	TAL EDI
Total/NA	Prep	3546			783167	06/09/21 09:18	ZXB	TAL EDI
Total/NA	Analysis	8082A		5	783424	06/10/21 15:34	JHP	TAL EDI
Total/NA	Prep	8151A			783338	06/09/21 23:49	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783384	06/10/21 11:41	SAK	TAL EDI
Total/NA	Prep	3546			783190	06/09/21 10:50	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		2	783177	06/10/21 13:54	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:56	MDC	TAL EDI
Total/NA	Prep	7471B			783361	06/10/21 03:54	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783461	06/10/21 09:17	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:49	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-25D (1-3)
Lab Sample ID: 460-236042-14
Date Collected: 06/07/21 11:20
Matrix: Solid
Date Received: 06/07/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783113	06/09/21 02:53	BJB	TAL EDI
TCLP	Analysis	8260D		10	783376	06/10/21 15:06	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783187	06/09/21 10:43	MMC	TAL EDI

Client Sample ID: WC-25D (1-3)
Lab Sample ID: 460-236042-14
Date Collected: 06/07/21 11:20
Matrix: Solid
Date Received: 06/07/21 19:00
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783079	06/08/21 21:14	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783126	06/09/21 17:50	AAT	TAL EDI

Client Sample ID: SP-2_WC-11_12_13
Lab Sample ID: 460-236101-1
Date Collected: 06/08/21 09:00
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783920	06/13/21 07:54	DXD	TAL EDI
TCLP	Analysis	8270E		1	783952	06/14/21 00:24	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 06:16	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 12:43	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:05	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:15	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:40	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI

Client Sample ID: SP-2_WC-11_12_13

Lab Sample ID: 460-236101-1

Date Collected: 06/08/21 09:00

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:00	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 13:52	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783717	06/11/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: SP-2_WC-11_12_13

Lab Sample ID: 460-236101-1

Date Collected: 06/08/21 09:00

Matrix: Solid

Date Received: 06/08/21 19:00

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 14:23	YAH	TAL EDI
Total/NA	Prep	3546			783443	06/10/21 09:49	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783597	06/11/21 08:51	FAM	TAL EDI
Total/NA	Prep	3546			783438	06/10/21 09:41	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783662	06/11/21 14:11	JHP	TAL EDI
Total/NA	Prep	8151A			783582	06/10/21 23:54	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783630	06/11/21 10:52	SAK	TAL EDI
Total/NA	Prep	3546			783455	06/10/21 10:18	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	783637	06/11/21 10:35	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 11:58	MDC	TAL EDI
Total/NA	Prep	7471B			783593	06/11/21 03:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783691	06/11/21 07:53	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:55	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: SP-2_WC-11_VOC

Lab Sample ID: 460-236101-2

Date Collected: 06/08/21 09:05

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783358	06/10/21 03:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	783615	06/11/21 16:24	CJM	TAL EDI

Client Sample ID: SP-2_WC-11_VOC
Date Collected: 06/08/21 09:05
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI

Client Sample ID: SP-2_WC-11_VOC
Date Collected: 06/08/21 09:05
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-2
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783323	06/09/21 19:26	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783273	06/10/21 02:33	AAT	TAL EDI

Client Sample ID: SP-4_WC-14_15
Date Collected: 06/08/21 09:10
Date Received: 06/08/21 19:00

Lab Sample ID: 460-236101-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783920	06/13/21 07:54	DXD	TAL EDI
TCLP	Analysis	8270E		1	783952	06/14/21 00:45	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 06:31	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 12:58	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:09	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:17	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:41	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:00	YAH	TAL EDI

Client Sample ID: SP-4_WC-14_15

Lab Sample ID: 460-236101-3

Date Collected: 06/08/21 09:10

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 13:54	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783717	06/11/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: SP-4_WC-14_15

Lab Sample ID: 460-236101-3

Date Collected: 06/08/21 09:10

Matrix: Solid

Date Received: 06/08/21 19:00

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 15:33	YAH	TAL EDI
Total/NA	Prep	3546			783443	06/10/21 09:49	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783597	06/11/21 09:05	FAM	TAL EDI
Total/NA	Prep	3546			783438	06/10/21 09:41	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783662	06/11/21 14:30	JHP	TAL EDI
Total/NA	Prep	8151A			783582	06/10/21 23:54	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783630	06/11/21 11:07	SAK	TAL EDI
Total/NA	Prep	3546			783455	06/10/21 10:18	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		5	783637	06/11/21 09:34	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 10:46	MDC	TAL EDI
Total/NA	Prep	7471B			783593	06/11/21 03:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783691	06/11/21 07:55	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:56	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: SP-4_WC-14_VOC

Lab Sample ID: 460-236101-4

Date Collected: 06/08/21 09:15

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783358	06/10/21 03:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	783615	06/11/21 16:46	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI

Client Sample ID: SP-4_WC-14_VOC

Lab Sample ID: 460-236101-4
Date Collected: 06/08/21 09:15
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783323	06/09/21 19:27	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783273	06/10/21 02:57	AAT	TAL EDI

Client Sample ID: WL-1A (7-9)

Lab Sample ID: 460-236101-5
Date Collected: 06/08/21 10:00
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783358	06/10/21 03:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	783615	06/11/21 17:09	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI

Client Sample ID: WL-1A (7-9)

Lab Sample ID: 460-236101-5
Date Collected: 06/08/21 10:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783323	06/09/21 19:29	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783273	06/10/21 03:20	AAT	TAL EDI

Client Sample ID: SP-5_WC-16-17

Lab Sample ID: 460-236101-6
Date Collected: 06/08/21 10:45
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783920	06/13/21 07:54	DXD	TAL EDI
TCLP	Analysis	8270E		1	783952	06/14/21 01:06	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 06:46	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 13:13	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:13	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:19	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI

Client Sample ID: SP-5_WC-16-17

Lab Sample ID: 460-236101-6

Date Collected: 06/08/21 10:45

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:46	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:28	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:00	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 13:55	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783717	06/11/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: SP-5_WC-16-17

Lab Sample ID: 460-236101-6

Date Collected: 06/08/21 10:45

Matrix: Solid

Date Received: 06/08/21 19:00

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 15:56	YAH	TAL EDI
Total/NA	Prep	3546			783443	06/10/21 09:49	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783597	06/11/21 09:20	FAM	TAL EDI
Total/NA	Prep	3546			783438	06/10/21 09:41	ZXB	TAL EDI
Total/NA	Analysis	8082A		10	783662	06/11/21 15:48	JHP	TAL EDI
Total/NA	Prep	8151A			783582	06/10/21 23:54	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783630	06/11/21 11:22	SAK	TAL EDI
Total/NA	Prep	3546			783455	06/10/21 10:18	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	783637	06/11/21 11:20	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:00	MDC	TAL EDI
Total/NA	Prep	7471B			783593	06/11/21 03:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783691	06/11/21 07:57	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 14:57	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: SP-5_WC-17_VOC
Lab Sample ID: 460-236101-7
Date Collected: 06/08/21 10:50
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783358	06/10/21 03:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	783615	06/11/21 17:32	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI

Client Sample ID: SP-5_WC-17_VOC
Lab Sample ID: 460-236101-7
Date Collected: 06/08/21 10:50
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783323	06/09/21 19:31	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783364	06/10/21 10:04	AAT	TAL EDI

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8
Date Collected: 06/08/21 10:47
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783920	06/13/21 07:54	DXD	TAL EDI
TCLP	Analysis	8270E		1	783952	06/14/21 01:27	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 07:00	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 13:28	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:17	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:24	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:47	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:29	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:14	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8

Date Collected: 06/08/21 10:47
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:00	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 13:59	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783717	06/11/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: WL-1 (0-10)
Lab Sample ID: 460-236101-8

Date Collected: 06/08/21 10:47
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 16:19	YAH	TAL EDI
Total/NA	Prep	3546			783443	06/10/21 09:49	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783597	06/11/21 10:48	FAM	TAL EDI
Total/NA	Prep	3546			783438	06/10/21 09:41	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783662	06/11/21 15:09	JHP	TAL EDI
Total/NA	Prep	8151A			783582	06/10/21 23:54	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783630	06/11/21 11:36	SAK	TAL EDI
Total/NA	Prep	3546			783455	06/10/21 10:18	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		20	783637	06/11/21 11:37	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:24	MDC	TAL EDI
Total/NA	Prep	7471B			783593	06/11/21 03:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783691	06/11/21 07:59	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 15:02	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WL-2 (0-10)
Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783923	06/13/21 08:05	DXD	TAL EDI
TCLP	Analysis	8270E		1	783960	06/13/21 17:36	YAH	TAL EDI

Client Sample ID: WL-2 (0-10)

Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00

Matrix: Solid

Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 07:15	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 13:42	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:29	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:26	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	784700	06/16/21 22:22	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:49	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			783738	06/11/21 16:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	783743	06/11/21 16:29	YAH	TAL EDI
Total/NA	Prep	7.3.4			783735	06/11/21 16:15	YAH	TAL EDI
Total/NA	Analysis	9034		1	783740	06/11/21 16:26	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:00	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:00	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:01	YAH	TAL EDI
Total/NA	Analysis	9095B		1	783676	06/11/21 10:23	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783562	06/10/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	783717	06/11/21 14:19	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: WL-2 (0-10)

Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00

Matrix: Solid

Date Received: 06/08/21 19:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 16:42	YAH	TAL EDI
Total/NA	Prep	3546			783443	06/10/21 09:49	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783597	06/11/21 09:49	FAM	TAL EDI

Client Sample ID: WL-2 (0-10)

Lab Sample ID: 460-236101-9

Date Collected: 06/08/21 13:00
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783438	06/10/21 09:41	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	783662	06/11/21 15:29	JHP	TAL EDI
Total/NA	Prep	8151A			783582	06/10/21 23:54	AFR	TAL EDI
Total/NA	Analysis	8151A		1	783630	06/11/21 11:51	SAK	TAL EDI
Total/NA	Prep	3546			783455	06/10/21 10:18	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	783637	06/11/21 11:51	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:26	MDC	TAL EDI
Total/NA	Prep	7471B			783593	06/11/21 03:05	TJS	TAL EDI
Total/NA	Analysis	7471B		1	783691	06/11/21 08:01	TJS	TAL EDI
Total/NA	Prep	3060A			137665	06/14/21 19:03	UDS7	ELLE
Total/NA	Analysis	7196A		1	137722	06/15/21 02:11	UDS7	ELLE
Total/NA	Prep	9012B			783736	06/11/21 16:14	OXG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 15:02	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WL-2A (5-7)

Lab Sample ID: 460-236101-10

Date Collected: 06/08/21 11:30
Matrix: Solid
Date Received: 06/08/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783358	06/10/21 03:48	BJB	TAL EDI
TCLP	Analysis	8260D		10	783615	06/11/21 17:54	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783422	06/10/21 08:46	MMC	TAL EDI

Client Sample ID: WL-2A (5-7)

Lab Sample ID: 460-236101-10

Date Collected: 06/08/21 11:30
Matrix: Solid
Date Received: 06/08/21 19:00
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783323	06/09/21 19:32	AVM	TAL EDI
Total/NA	Analysis	8260D		1	783273	06/10/21 04:07	AAT	TAL EDI

Client Sample ID: WL-3A (4-6)

Lab Sample ID: 460-236147-1

Date Collected: 06/09/21 09:00
Matrix: Solid
Date Received: 06/09/21 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783590	06/11/21 02:22	BJB	TAL EDI
TCLP	Analysis	8260D		10	784181	06/15/21 01:56	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	783663	06/11/21 09:25	MMC	TAL EDI

Client Sample ID: WL-3A (4-6)

Date Collected: 06/09/21 09:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-1

Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783493	06/10/21 15:17	YXG	TAL EDI
Total/NA	Analysis	8260D		1	784815	06/17/21 12:21	EMM	TAL EDI

Client Sample ID: WL-3 (0-10)

Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783923	06/13/21 08:05	DXD	TAL EDI
TCLP	Analysis	8270E		1	783960	06/13/21 17:58	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 07:30	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 13:57	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:34	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:28	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	785346	06/19/21 18:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:29	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			784922	06/17/21 18:30	YAH	TAL EDI
Total/NA	Analysis	9014		1	784924	06/17/21 18:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			784921	06/17/21 18:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	784923	06/17/21 18:33	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:08	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:08	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:02	YAH	TAL EDI
Total/NA	Analysis	9095B		1	784552	06/16/21 11:09	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783663	06/11/21 09:25	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	784058	06/14/21 09:47	PLS	TAL EDI

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: WL-3 (0-10)
Date Collected: 06/09/21 12:00
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-2
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 17:51	YAH	TAL EDI
Total/NA	Prep	3546			783671	06/11/21 09:56	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783997	06/14/21 09:43	FAM	TAL EDI
Total/NA	Prep	3546			783670	06/11/21 09:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	784048	06/14/21 11:11	JHP	TAL EDI
Total/NA	Prep	8151A			783793	06/11/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	784026	06/14/21 09:06	SAK	TAL EDI
Total/NA	Prep	3546			783684	06/11/21 10:57	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	783814	06/12/21 14:38	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:28	MDC	TAL EDI
Total/NA	Prep	7471B			784000	06/14/21 03:50	TJS	TAL EDI
Total/NA	Analysis	7471B		1	784076	06/14/21 09:06	TJS	TAL EDI
Total/NA	Prep	3060A			138208	06/15/21 19:05	UDS7	ELLE
Total/NA	Analysis	7196A		1	138278	06/16/21 00:50	UDS7	ELLE
Total/NA	Prep	9012B			783929	06/13/21 10:41	VBG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 13:25	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WL-4A (5-7)
Date Collected: 06/09/21 13:20
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783590	06/11/21 02:22	BJB	TAL EDI
TCLP	Analysis	8260D		10	784181	06/15/21 02:22	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	783663	06/11/21 09:25	MMC	TAL EDI

Client Sample ID: WL-4A (5-7)
Date Collected: 06/09/21 13:20
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-3
Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783491	06/10/21 14:59	YXG	TAL EDI
Total/NA	Analysis	8260D		50	783642	06/11/21 19:45	KLB	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Client Sample ID: WL-4 (0-10)

Date Collected: 06/09/21 13:30
Date Received: 06/09/21 19:30

Lab Sample ID: 460-236147-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783923	06/13/21 08:05	DXD	TAL EDI
TCLP	Analysis	8270E		1	783960	06/13/21 18:19	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			783945	06/13/21 13:58	ATF	TAL EDI
TCLP	Analysis	8081B		1	784236	06/15/21 07:44	FAM	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			783991	06/13/21 23:40	AFR	TAL EDI
TCLP	Analysis	8151A		1	784026	06/14/21 14:33	SAK	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			783887	06/12/21 16:10	GAE	TAL EDI
TCLP	Analysis	6010D		5	783933	06/13/21 18:38	CDC	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 13:58	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:29	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	785346	06/19/21 18:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:31	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			784922	06/17/21 18:30	YAH	TAL EDI
Total/NA	Analysis	9014		1	784924	06/17/21 18:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			784921	06/17/21 18:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	784923	06/17/21 18:33	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/11/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/11/21 10:08	YAH	TAL EDI
TCLP	Leach	1311			783779	06/11/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/12/21 10:08	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:07	YAH	TAL EDI
Total/NA	Analysis	9095B		1	784552	06/16/21 11:09	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783663	06/11/21 09:25	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783783	06/11/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	784058	06/14/21 09:47	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	783722	06/11/21 14:48	PLS	TAL EDI

Client Sample ID: WL-4 (0-10)

Lab Sample ID: 460-236147-4

Date Collected: 06/09/21 13:30
Matrix: Solid
Date Received: 06/09/21 19:30
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			783790	06/11/21 23:53	AFR	TAL EDI
Total/NA	Analysis	8270E		1	783840	06/12/21 18:14	YAH	TAL EDI
Total/NA	Prep	3546			783671	06/11/21 09:56	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	783997	06/14/21 09:59	FAM	TAL EDI
Total/NA	Prep	3546			783670	06/11/21 09:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	784048	06/14/21 11:27	JHP	TAL EDI
Total/NA	Prep	8151A			783793	06/11/21 23:57	AFR	TAL EDI
Total/NA	Analysis	8151A		1	784026	06/14/21 10:49	SAK	TAL EDI
Total/NA	Prep	3546			783684	06/11/21 10:57	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	783814	06/12/21 16:03	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:30	MDC	TAL EDI
Total/NA	Prep	7471B			784000	06/14/21 03:50	TJS	TAL EDI
Total/NA	Analysis	7471B		1	784076	06/14/21 09:08	TJS	TAL EDI
Total/NA	Prep	3060A			138208	06/15/21 19:05	UDS7	ELLE
Total/NA	Analysis	7196A		1	138278	06/16/21 00:50	UDS7	ELLE
Total/NA	Prep	9012B			783929	06/13/21 10:41	VBG	TAL EDI
Total/NA	Analysis	9012B		1	783969	06/13/21 13:26	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WL-6 (0-10)

Lab Sample ID: 460-236240-1

Date Collected: 06/10/21 12:10
Matrix: Solid
Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			784045	06/14/21 09:03	OTS	TAL EDI
TCLP	Analysis	8270E		1	784148	06/15/21 00:41	MME	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			784097	06/14/21 14:27	ATF	TAL EDI
TCLP	Analysis	8081B		1	784229	06/15/21 06:13	FAM	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			784099	06/14/21 14:34	ATF	TAL EDI
TCLP	Analysis	8151A		1	784259	06/15/21 12:02	SAK	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			784263	06/15/21 06:46	GMC	TAL EDI
TCLP	Analysis	6010D		5	784327	06/15/21 14:03	CDC	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 14:01	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:38	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE

Client Sample ID: WL-6 (0-10)

Lab Sample ID: 460-236240-1

Date Collected: 06/10/21 12:10

Matrix: Solid

Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	785346	06/19/21 18:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:05	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			784922	06/17/21 18:30	YAH	TAL EDI
Total/NA	Analysis	9014		1	784924	06/17/21 18:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			784921	06/17/21 18:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	784923	06/17/21 18:33	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/13/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/13/21 10:08	YAH	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/14/21 10:08	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:09	YAH	TAL EDI
Total/NA	Analysis	9095B		1	784552	06/16/21 11:09	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783726	06/11/21 15:03	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	784058	06/14/21 12:55	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	784043	06/14/21 08:58	PLS	TAL EDI

Client Sample ID: WL-6 (0-10)

Lab Sample ID: 460-236240-1

Date Collected: 06/10/21 12:10

Matrix: Solid

Date Received: 06/10/21 20:00

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			784053	06/14/21 09:30	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	784132	06/15/21 00:00	MME	TAL EDI
Total/NA	Prep	3546			783880	06/12/21 15:06	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	784001	06/14/21 12:12	FAM	TAL EDI
Total/NA	Prep	3546			783879	06/12/21 15:02	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	784047	06/14/21 11:20	JHP	TAL EDI
Total/NA	Prep	8151A			784215	06/14/21 23:05	AFR	TAL EDI
Total/NA	Analysis	8151A		1	784337	06/15/21 14:45	SAK	TAL EDI
Total/NA	Prep	3546			784064	06/14/21 10:17	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		10	784315	06/15/21 16:42	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:33	MDC	TAL EDI
Total/NA	Prep	7471B			784004	06/14/21 04:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	784076	06/14/21 09:45	TJS	TAL EDI
Total/NA	Prep	3060A			138208	06/15/21 19:05	UDS7	ELLE
Total/NA	Analysis	7196A		1	138278	06/16/21 00:50	UDS7	ELLE
Total/NA	Prep	9012B			784584	06/16/21 14:15	OXG	TAL EDI
Total/NA	Analysis	9012B		1	784972	06/17/21 20:09	VBG	TAL EDI

Client Sample ID: WL-6 (0-10)

Lab Sample ID: 460-236240-1

Date Collected: 06/10/21 12:10

Matrix: Solid

Date Received: 06/10/21 20:00

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Client Sample ID: WL-6C (6-8)

Lab Sample ID: 460-236240-2

Date Collected: 06/10/21 12:15

Matrix: Solid

Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783980	06/13/21 17:46	BJB	TAL EDI
TCLP	Analysis	8260D		10	784471	06/16/21 19:34	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783726	06/11/21 15:03	MMC	TAL EDI

Client Sample ID: WL-6C (6-8)

Lab Sample ID: 460-236240-2

Date Collected: 06/10/21 12:15

Matrix: Solid

Date Received: 06/10/21 20:00

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783730	06/11/21 15:11	YXG	TAL EDI
Total/NA	Analysis	8260D		1	783905	06/13/21 08:01	AAT	TAL EDI

Client Sample ID: WL-5 (0-10)

Lab Sample ID: 460-236240-3

Date Collected: 06/10/21 13:20

Matrix: Solid

Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			784045	06/14/21 09:03	OTS	TAL EDI
TCLP	Analysis	8270E		1	784148	06/15/21 01:02	MME	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3510C			784097	06/14/21 14:27	ATF	TAL EDI
TCLP	Analysis	8081B		1	784229	06/15/21 06:25	FAM	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	8151A			784099	06/14/21 14:34	ATF	TAL EDI
TCLP	Analysis	8151A		1	784259	06/15/21 12:16	SAK	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	3010A			784263	06/15/21 06:46	GMC	TAL EDI
TCLP	Analysis	6010D		5	784327	06/15/21 14:07	CDC	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Prep	7470A			784094	06/14/21 14:01	RBS	TAL EDI
TCLP	Analysis	7470A		1	784129	06/14/21 15:40	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	785346	06/19/21 18:45	HTV	TAL EDI

Client Sample ID: WL-5 (0-10)

Lab Sample ID: 460-236240-3

Date Collected: 06/10/21 13:20

Matrix: Solid

Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:07	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 06:45	TJW	TAL EDI
Total/NA	Prep	7.3.3			784922	06/17/21 18:30	YAH	TAL EDI
Total/NA	Analysis	9014		1	784924	06/17/21 18:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			784921	06/17/21 18:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	784923	06/17/21 18:33	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/13/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/13/21 10:08	YAH	TAL EDI
TCLP	Leach	1311			783982	06/13/21 17:30	JDP	TAL EDI
TCLP	Analysis	9040C		1	784516	06/14/21 10:08	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:13	YAH	TAL EDI
Total/NA	Analysis	9095B		1	784552	06/16/21 11:09	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	783726	06/11/21 15:03	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	784058	06/14/21 12:55	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	784043	06/14/21 08:58	PLS	TAL EDI

Client Sample ID: WL-5 (0-10)

Lab Sample ID: 460-236240-3

Date Collected: 06/10/21 13:20

Matrix: Solid

Date Received: 06/10/21 20:00

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			784053	06/14/21 09:30	ZXB	TAL EDI
Total/NA	Analysis	8270E		1	784132	06/14/21 22:04	MME	TAL EDI
Total/NA	Prep	3546			783880	06/12/21 15:06	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	784001	06/14/21 11:57	FAM	TAL EDI
Total/NA	Prep	3546			783879	06/12/21 15:02	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	784047	06/14/21 10:33	JHP	TAL EDI
Total/NA	Prep	8151A			784215	06/14/21 23:05	AFR	TAL EDI
Total/NA	Analysis	8151A		1	784337	06/15/21 15:00	SAK	TAL EDI
Total/NA	Prep	3546			784064	06/14/21 10:17	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	784315	06/15/21 16:57	KMH	TAL EDI
Total/NA	Prep	3050B			784734	06/17/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 12:39	MDC	TAL EDI
Total/NA	Prep	7471B			784004	06/14/21 04:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	784076	06/14/21 09:47	TJS	TAL EDI
Total/NA	Prep	3060A			138208	06/15/21 19:05	UDS7	ELLE
Total/NA	Analysis	7196A		1	138278	06/16/21 00:50	UDS7	ELLE
Total/NA	Prep	9012B			784584	06/16/21 14:15	OXG	TAL EDI
Total/NA	Analysis	9012B		1	784972	06/17/21 20:13	VBG	TAL EDI
Total/NA	Prep	9071B			140846	06/22/21 20:00	QT6L	ELLE
Total/NA	Analysis	9071B		1	141076	06/23/21 09:20	UYB0	ELLE

Client Sample ID: WL-5C (5-7)

Lab Sample ID: 460-236240-4
Date Collected: 06/10/21 13:25
Matrix: Solid
Date Received: 06/10/21 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783980	06/13/21 17:46	BJB	TAL EDI
TCLP	Analysis	8260D		10	784471	06/16/21 20:00	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	783726	06/11/21 15:03	MMC	TAL EDI

Client Sample ID: WL-5C (5-7)

Lab Sample ID: 460-236240-4
Date Collected: 06/10/21 13:25
Matrix: Solid
Date Received: 06/10/21 20:00
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783730	06/11/21 15:10	YXG	TAL EDI
Total/NA	Analysis	8260D		1	783905	06/13/21 12:17	AAT	TAL EDI

Client Sample ID: CA-2E (0-2)

Lab Sample ID: 460-236396-1
Date Collected: 06/11/21 12:30
Matrix: Solid
Date Received: 06/11/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			783980	06/13/21 17:46	BJB	TAL EDI
TCLP	Analysis	8260D		10	784471	06/16/21 20:26	CJM	TAL EDI
Total/NA	Analysis	Moisture		1	784090	06/14/21 13:31	MMC	TAL EDI

Client Sample ID: CA-2E (0-2)

Lab Sample ID: 460-236396-1
Date Collected: 06/11/21 12:30
Matrix: Solid
Date Received: 06/11/21 19:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			783915	06/13/21 06:18	AMS	TAL EDI
Total/NA	Analysis	8260D		1	784241	06/15/21 10:54	AAT	TAL EDI

Client Sample ID: CA-2 (0-2)

Lab Sample ID: 460-236396-2
Date Collected: 06/11/21 12:35
Matrix: Solid
Date Received: 06/11/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			784546	06/16/21 10:41	OTS	TAL EDI
TCLP	Analysis	8270E		1	784620	06/17/21 00:32	MME	TAL EDI
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Prep	3510C			784361	06/16/21 10:54	ATF	TAL EDI
TCLP	Analysis	8081B		1	784722	06/17/21 05:32	FAM	TAL EDI
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Prep	8151A			784592	06/16/21 14:33	ATF	TAL EDI
TCLP	Analysis	8151A		1	784782	06/17/21 07:48	SAK	TAL EDI
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Prep	3010A			784795	06/17/21 07:24	GMC	TAL EDI
TCLP	Analysis	6010D		5	784855	06/17/21 12:51	CDC	TAL EDI

Client Sample ID: CA-2 (0-2)

Lab Sample ID: 460-236396-2

Date Collected: 06/11/21 12:35

Matrix: Solid

Date Received: 06/11/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Prep	7470A			784562	06/16/21 12:40	RBS	TAL EDI
TCLP	Analysis	7470A		1	784655	06/16/21 14:51	RBS	TAL EDI
Total/NA	Analysis	1030		1	784814	06/17/21 08:33	AAP	TAL EDI
ASTM Leach	Leach	D3987-85			139815	06/19/21 15:56	CZ7N	ELLE
ASTM Leach	Analysis	1664A		1	141108	06/23/21 10:28	UYB0	ELLE
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	410.4		1	785346	06/19/21 18:45	HTV	TAL EDI
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	4500 NH3 H		1	784127	06/14/21 17:11	DLE	TAL EDI
Total/NA	Analysis	7196A		1	783989	06/18/21 11:11	TJW	TAL EDI
Total/NA	Prep	7.3.3			784922	06/17/21 18:30	YAH	TAL EDI
Total/NA	Analysis	9014		1	784924	06/17/21 18:35	YAH	TAL EDI
Total/NA	Prep	7.3.4			784921	06/17/21 18:27	YAH	TAL EDI
Total/NA	Analysis	9034		1	784923	06/17/21 18:33	YAH	TAL EDI
Soluble	Leach	DI Leach			784511	06/15/21 08:30	YAH	TAL EDI
Soluble	Analysis	9040C		1	784516	06/15/21 10:08	YAH	TAL EDI
TCLP	Leach	1311			784374	06/15/21 15:00	YXG	TAL EDI
TCLP	Analysis	9040C		1	784516	06/16/21 15:59	YAH	TAL EDI
Total/NA	Analysis	9045D		1	784895	06/17/21 14:28	YAH	TAL EDI
Total/NA	Analysis	9095B		1	784552	06/16/21 11:09	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	784090	06/14/21 13:31	MMC	TAL EDI
ASTM Leach	Leach	D3987-85			783985	06/13/21 15:00	JDP	TAL EDI
ASTM Leach	Analysis	SM 2540B		1	784058	06/14/21 09:47	PLS	TAL EDI
Total/NA	Analysis	SM 2540G		1	784043	06/14/21 08:58	PLS	TAL EDI

Client Sample ID: CA-2 (0-2)

Lab Sample ID: 460-236396-2

Date Collected: 06/11/21 12:35

Matrix: Solid

Date Received: 06/11/21 19:00

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			784212	06/14/21 23:03	AFR	TAL EDI
Total/NA	Analysis	8270E		1	784270	06/15/21 17:04	DAN	TAL EDI
Total/NA	Prep	3546			784165	06/14/21 18:20	ARA	TAL EDI
Total/NA	Analysis	8081B		1	784229	06/15/21 10:29	FAM	TAL EDI
Total/NA	Prep	3546			784161	06/14/21 17:56	ARA	TAL EDI
Total/NA	Analysis	8082A		1	784477	06/16/21 10:28	JHP	TAL EDI
Total/NA	Prep	8151A			783992	06/13/21 23:42	AFR	TAL EDI
Total/NA	Analysis	8151A		1	784260	06/15/21 08:52	SAK	TAL EDI
Total/NA	Prep	3050B			784737	06/17/21 04:19	GMC	TAL EDI
Total/NA	Analysis	6020B		1	784824	06/17/21 18:57	MDC	TAL EDI
Total/NA	Prep	7471B			784227	06/15/21 03:31	TJS	TAL EDI
Total/NA	Analysis	7471B		1	784314	06/15/21 08:26	TJS	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: CA-2 (0-2)
Lab Sample ID: 460-236396-2

Date Collected: 06/11/21 12:35
Matrix: Solid

Date Received: 06/11/21 19:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			138208	06/15/21 19:05	UDS7	ELLE
Total/NA	Analysis	7196A		1	138278	06/16/21 00:50	UDS7	ELLE
Total/NA	Prep	9012B			784584	06/16/21 14:15	OXG	TAL EDI
Total/NA	Analysis	9012B		1	784972	06/17/21 20:16	VBG	TAL EDI
Total/NA	Prep	9071B			139182	06/17/21 16:57	QT6L	ELLE
Total/NA	Analysis	9071B		1	139689	06/18/21 16:52	QT6L	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Solid	Chemical Oxygen Demand
4500 NH3 H		Solid	Ammonia
7196A		Solid	Cr (III)
7470A	7470A	Solid	Mercury
8270E	3510C	Solid	3 & 4 Methylphenol
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9040C		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NJDEP EPH	3546	Solid	Total EPH (C9-C40)
SM 2540B		Solid	Total Solids
SM 2540G		Solid	Total Solids
SM 2540G		Solid	Total Volatile Solids

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1664A		Solid	HEM

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
1664A	HEM and SGT-HEM	1664A	ELLE
410.4	COD	MCAWW	TAL EDI
4500 NH3 H	Ammonia	SM	TAL EDI
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
SM 2540B	Solids, Total	SM	TAL EDI
SM 2540G	Total, Fixed, and Volatile Solids	SM	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL EDI

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NJDEP = New Jersey Department of Environmental Protection
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-236042-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-236042-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-236042-1	WC-21 (0-5)	Solid	06/05/21 12:00	06/07/21 19:00
460-236042-2	WC-21D (6-8)	Solid	06/07/21 12:45	06/07/21 19:00
460-236042-3	WC-21B (1-3)	Solid	06/07/21 12:30	06/07/21 19:00
460-236042-4	SP-1_WC-8_9_10	Solid	06/07/21 08:50	06/07/21 19:00
460-236042-5	SP-1_WC-8_9_10_VOC	Solid	06/07/21 08:55	06/07/21 19:00
460-236042-6	SP-3_WC-14	Solid	06/07/21 09:00	06/07/21 19:00
460-236042-7	SP-3_WC-14_VOC	Solid	06/07/21 09:05	06/07/21 19:00
460-236042-8	WC-22 (0-5)	Solid	06/07/21 10:05	06/07/21 19:00
460-236042-9	WC-22C (1-3)	Solid	06/07/21 10:10	06/07/21 19:00
460-236042-10	WC-21_WC-22 (5-10)	Solid	06/07/21 10:40	06/07/21 19:00
460-236042-11	WC-21_WC-22 (10-18)	Solid	06/07/21 11:00	06/07/21 19:00
460-236042-12	WC-21D_(15-17)	Solid	06/07/21 11:05	06/07/21 19:00
460-236042-13	WC-25 (0-5)	Solid	06/07/21 11:15	06/07/21 19:00
460-236042-14	WC-25D (1-3)	Solid	06/07/21 11:20	06/07/21 19:00
460-236101-1	SP-2_WC-11_12_13	Solid	06/08/21 09:00	06/08/21 19:00
460-236101-2	SP-2_WC-11_VOC	Solid	06/08/21 09:05	06/08/21 19:00
460-236101-3	SP-4_WC-14_15	Solid	06/08/21 09:10	06/08/21 19:00
460-236101-4	SP-4_WC-14_VOC	Solid	06/08/21 09:15	06/08/21 19:00
460-236101-5	WL-1A (7-9)	Solid	06/08/21 10:00	06/08/21 19:00
460-236101-6	SP-5_WC-16-17	Solid	06/08/21 10:45	06/08/21 19:00
460-236101-7	SP-5_WC-17_VOC	Solid	06/08/21 10:50	06/08/21 19:00
460-236101-8	WL-1 (0-10)	Solid	06/08/21 10:47	06/08/21 19:00
460-236101-9	WL-2 (0-10)	Solid	06/08/21 13:00	06/08/21 19:00
460-236101-10	WL-2A (5-7)	Solid	06/08/21 11:30	06/08/21 19:00
460-236147-1	WL-3A (4-6)	Solid	06/09/21 09:00	06/09/21 19:30
460-236147-2	WL-3 (0-10)	Solid	06/09/21 12:00	06/09/21 19:30
460-236147-3	WL-4A (5-7)	Solid	06/09/21 13:20	06/09/21 19:30
460-236147-4	WL-4 (0-10)	Solid	06/09/21 13:30	06/09/21 19:30
460-236240-1	WL-6 (0-10)	Solid	06/10/21 12:10	06/10/21 20:00
460-236240-2	WL-6C (6-8)	Solid	06/10/21 12:15	06/10/21 20:00
460-236240-3	WL-5 (0-10)	Solid	06/10/21 13:20	06/10/21 20:00
460-236240-4	WL-5C (5-7)	Solid	06/10/21 13:25	06/10/21 20:00
460-236396-1	CA-2E (0-2)	Solid	06/11/21 12:30	06/11/21 19:00
460-236396-2	CA-2 (0-2)	Solid	06/11/21 12:35	06/11/21 19:00

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 236042
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

460-236042 Chain of Custody

SHORT HOLD

J - DI Wate... MCAA
K - EDT... 4-5
L - ED... specify)
Othe...

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 8095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WC-21(0-5)	6/5/21	1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	1
WC-21D(6-8)	6/7/21	1245	G	Solid			X												5	2
WC-21B(1-3)	6/7/21	1230	G	Solid			X												5	3
SP-1_WC-8_9_10	6/7/21	0850	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	4
SP-1_WC-8_9_10-VOC	6/7/21	0855	G	Solid			X												5	5
SP-3_WC-14	6/7/21	0900	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	6
SP-3_WC-14_VOC	6/7/21	0905	G	Solid			X												5	7
WC-22(0-5)	6/7/21	1005	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	8
WC-22C(1-3)	6/7/21	1010	G	Solid			X												5	9
WC-21_WC-22(5-10)	6/7/21	1040	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	10
WC-21_WC-22(10-18)	6/7/21	1100	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SDG Open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-7-21 12:30PM	ROUX		06/07/21 12:30PM	TA NYC
2		06/07/21 17:00	TA NYC		06/07/21 16:00	
3		6-7-21 1900			6/7/21 1900	TAN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2520 2520

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 236042
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trl Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
~~WC-21-WC-22(10-18)~~	~~6/7/21~~			Solid																NO sample
WC-22D(15-17)	6/7/21	1105	G	Solid			X												5	22D (15-17) 12
WC-25D(0-5)	6/7/21	1115	C	Solid				X	X	X	X	X	X	X	X	X	X	X	9	13
WC-25D(1-3)	6/7/21	1120	G	Solid			X												5	14
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B** Exp SDG#

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-7-21 12:30 PM	RXX		06/07/21 12:30 PM	TA NYC
2		06/07/21 14:00	TA NYC		6/7/21 16:00	
3		6/7/21 19:00			6/7/21 1900	TAGO

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2320 ZR9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236072

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 ℃	3.0 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	2.1 ℃	2.0 ℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Kamal **Date:** 6/7/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Mierendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 236101
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

460-236101 Chain of Custody

J - DI Water V - MCA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	300.0 Sulfate	9056A - NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 8010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	N	N	N	F	N	N	N	N	N	N	N	N		
SP-2_WC-11-12-13	6-8-21	0900	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	1
SP-2_WC-11_VOC		0905	G	Solid			X													3	2
SP-4_WC-14_15		0910	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	3
SP-4_WC-14_VOC		0915	G	Solid			X													3	4
WL-1A (7-9)		1010	G	Solid			X													3	5
SP-5_WC-16-17		1045	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	6
SP-5_WC-17_VOC		1050	G	Solid			X													3	7
WL-1 (0-10)		1047	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	8
WL-2 (0-10)		1300	C	Solid				X	X	X		X	X	X	X	X	X	X	X	8	9
WL-2A (5-7)	↓	1130	G	Solid			X													3	10
				Solid																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B Keep SDG Open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-8-21, 1430	RAW		06/08/21 14:30	TA NYC
2		06/08/21 17:00			6/8/21 16:00	
3		6/8/21 19:00		Jeanette Duran	6/8/21 1900	ETT

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

26 21 229

Job Number: 236101

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	26 °C	21 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: Raman **Date:** 6 8 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 236147
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: wills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCl
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O3S2O3
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trh Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
WL-3A (4-6)	6-9-21	0900	G	Solid			X												5	1
WL-3 (0-10)		1200	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	2
WL-4A (5-7)		1320	G	Solid			X												5	3
WL-4 (0-10)	↓	1330	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	4
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

460-236147 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B** Keep SDG Open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-9-21 14:30	TAL		06/09/21 14:30	TA NYC
2		06/09/21 17:00	TA NYC		6/9/21 1930	AGO
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR9 3.6/3.1°C

Ver: 01/16/2019

11/1/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236147

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.6 ℃	3.1 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: TR **Date:** 6/9/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 23620
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: wills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCS	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Tri Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease) ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	N	N	N	N	N	N	N	N	N	N	N	
WL-6 (0-10)	6-10-21	1210	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	1
WL-6C (6-8)		1215	G	Solid			X												5	2
WL-5 (0-10)		1320	C	Solid				X	X	X	X	X	X	X	X	X	X	X	8	3
WL-5C (5-7)		1325	G	Solid			X												5	4
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

460-236240 Chain of Custody

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be as … s are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B** Keep SDG Open

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-10-21, 14:30	AUX		06/10/21 14:30	TA NYC
2		06/10/21 17:00			16:00	
3		06/10/21 20:00			6/11/21 0900	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

3.0 25 7 9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236240

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.0 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: Lmm Date: 6/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

NYC 222

eurofins Environment Testing America

Client Information	Sampler: Dan Miserendino	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-141503-91598.1
Client Contact: Jeff Wills	Phone: 914-419-8452	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 936396
Address: 209 Shafter St	Due Date Requested:			
City: Islandia	TAT Requested (days): 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 0055.0148Y002			
Email: jwills@rouxinc.com	WO #: Long Island City, NY			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Analysis Group: Solid - Waste Characterization (5-d)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL VOCs + 10 TICs & TCLP VOCs	8270E - TCL BNA + 20; 8081B - TCL Pesticides; 8082A - PCBS; 8151A - Herbicides	6020B/7471B - TAL Metals	9012B - Cyanide, Total; 7196A - Hex/Trn Chromium	NJEPH - No fractionation	1030-Ignitability, Solids; 9014/9034 - Reactivity; 9045D - pH/corrosivity; 9095B - Paint Filter	8270E TCLP SVOCS; 8081B TCLP PESTS; 8151A TCLP HERBS; 6010D/7470A TCLP RCRA METALS	410.4-COD (ASTM); SM4500_NH3-Ammonia (ASTM); SM2540B-Solids, Total (ASTM)	2540G-Solids, Total, Total Volatile; 1664A-HEM (Oil & Grease ASTM	9040C - pH (TCLP off)	9040C - pH (TCLP on leachate)	9071B - Oil & Grease		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N		
CA-2E (0-2)	6-11-21	1200	G	Solid			X													5	i
CA-2 (0-2)	6-11-21	1235	G	Solid				X	X	X	X	X	X	X	X	X	X	X		8	2
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

460-236396 Chain of Custody

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY Cat B** Close SDG

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-11-21 13:15	Roux		06/11/21 13:15	TA NYC
2		06/11/21 16:00	TA NYC		6/11/21 16:0	TA
3		6/11/21 19:00			6/11/21 1802	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

2.5 2.0 2.9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236396

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 °C	2.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] Date: 6 11 21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61828.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-236042-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/11/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WC-21 (0-5) (460-236042-1)	6/5/21	12:00 Eastern		Solid			X	X	X	1	
SP-1_WC-8_9_10 (460-236042-4)	6/7/21	08:50 Eastern		Solid			X	X	X	1	
SP-3_WC-14 (460-236042-6)	6/7/21	09:00 Eastern		Solid			X	X	X	1	
WC-22 (0-5) (460-236042-8)	6/7/21	10:05 Eastern		Solid			X	X	X	1	
WC-21_WC-22 (5-10) (460-236042-10)	6/7/21	10:40 Eastern		Solid			X	X	X	1	
WC-21_WC-22 (10-18) (460-236042-11)	6/7/21	11:00 Eastern		Solid			X	X	X	1	
WC-25 (0-5) (460-236042-13)	6/7/21	11:15 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		
Relinquished by:	Date/Time: 6/9/21 1600	Company: TAL	Received by: 16:00	Date/Time: 6/9/21 16:00	Company: ELE
Relinquished by:	Date/Time: 6/9/21 2000	Company: ELE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-9-21 2319	Company: ELE

Custody Seals Intact: Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.5-5.3

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61866.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-236042-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/14/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SP-2_WC-11_12_13 (460-236101-1)	6/8/21	09:00 Eastern		Solid			X	X	X	1	
SP-4_WC-14_15 (460-236101-3)	6/8/21	09:10 Eastern		Solid			X	X	X	1	
SP-5_WC-16-17 (460-236101-6)	6/8/21	10:45 Eastern		Solid			X	X	X	1	
WL-1 (0-10) (460-236101-8)	6/8/21	10:47 Eastern		Solid			X	X	X	1	
WL-2 (0-10) (460-236101-9)	6/8/21	13:00 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/10/21 1315	TAL	[signature]	10Jun21 1630	ELLE
2	[signature]	10Jun21 1900	ELLE			
3				[signature]	6/10/21 1900	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2-3.3

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61875.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-236147-1
Address: 2425 New Holland Pike,	Due Date Requested: 6/15/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WL-3 (0-10) (460-236147-2)	6/9/21	12:00 Eastern		Solid			X	X	X	1	
WL-4 (0-10) (460-236147-4)	6/9/21	13:30 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/10/21 1630	TAEdi	[signature]	11 Jun 21 1030	ELLE
2	[signature]	11 Jun 21 1710	ELLE			
3				[signature]	6-11-21 1747	ECCE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61892.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-236240-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/16/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601	PO #:			
Phone: 717-656-2300(Tel)	WO #:			
Email:				
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WL-6 (0-10) (460-236240-1)	6/10/21	12:10 Eastern		Solid			X	X	X	1	
WL-5 (0-10) (460-236240-3)	6/10/21	13:20 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/11/21 17:30	~~ELLE~~		6/11/21 17:30	ELLE
2		6/11/21 21:00	ELLE			
3					6/11/21 2100	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61915.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Env LLC		Accreditations Required (See note): NELAP - New York		Job #: 460-236042-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/17/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Amtrak-Sunnyside Yards	Project #: 46033046			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Hexavalent Chromium - 7196	9071B/9071B_P_Sox Oil & Grease	1664A_NP/ASTM_LEACH_NP HEM (Oil & Grease) ASTM	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
CA-2 (0-2) (460-236396-2)	6/11/21	12:35 Eastern		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/14/21 1650	ET Ltd.	Bgl	6/14/21 16:50	ELLE
2	Bgl	6/14/21 19:57	ELLE			
3					6/14/21 2000	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8-5.5

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236042
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236042
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/09/21 11:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236101
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236101
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/10/21 09:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236147
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236147
List Number: 2
Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/12/21 07:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236240
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236240
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/11/21 10:49 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236396
List Number: 1
Creator: Hall, Alonzo

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-236042-1

Login Number: 236396
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 06/14/21 10:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

MEMORANDUM

Date: July 20, 2021

To: Daniel Miserendino, Roux Environmental Engineering and Geology, D.P.C.

From: Josh Cope, Roux Associates, Inc.

Subject: **Data Usability Summary Report (DUSR)**
Validation of Laboratory Analytical Data for Amtrak-Sunnyside Yards
Eurofins SDG Nos.: 460-223463-1; 460-234049-1; 460-235565-1; 460-234659-1; 460-235-54-1; 460-235626-1; and 460-23642-1.

Review has been completed for the data packages generated by Eurofins Environment Testing America of Edison, New Jersey. The data packages pertain to samples collected during May 2021 through June 2021 at Amtrak-Sunnyside Yards. Soil samples were analyzed for semivolatiles, PCBs, and lead.

The data packages submitted by the laboratory contain full deliverables for validation. This usability report is generated from review of the QC summary form information, full review of sample raw data, and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with the project QAPP, with guidance from USEPA national and regional validation guidance, and in consideration of the specific analytical method requirements. The following items were reviewed:

- Data completeness;
- Case narrative;
- Custody documentation;
- Holding times;
- Surrogate and internal standard recoveries;
- Method, and field blanks;
- Matrix spikes and duplicates;
- Field duplicates;
- Laboratory control samples;
- Instrument tunes checks;
- Initial calibrations;
- Calibration checks;
- Method compliance; and
- Analytical result verification.

The data review includes evaluation of the items noted in the NYS DER-10 Appendix 2B Section 2.0(c). Deficiencies noted during data review are discussed within the following text. The laboratory QC forms discussed herein can be found within the laboratory data packages.

The sample analyses were performed in general accordance with analytical protocols, and sample results are usable as reported or with minor qualifications as discussed herein.

Some samples were diluted due to extract or matrix effects. This resulted in elevated reporting limits for those samples. Sample results which exceed the calibration range are qualified with an “E” flag, for any analytes that exceed the calibration range.

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Data completeness, accuracy, precision, representativeness, and comparability are acceptable. The validator qualifications recommended in this report are provided on the EDDs.

Semivolatile Organic Compounds by EPA 8270

The continuing calibration verification standards meet criteria with the following exceptions:

- Benzo(a)pyrene for SDGs 460-234049-1, and 460-234659-1; and
- Several analytes for SDGs 460-235054-1, 460-235626-1, and 460-236042-1.

The associated sample results are qualified as estimated.

The laboratory control sample had the following recoveries above criteria:

- Several analytes for SDGs 460-233463-1 and 460-235626-1;
- Caprolactam for SDG 460-234575-1;
- Indeno(1,2,3-c,d)pyrene and dibenzo(a,h)anthracene for SDG 460-235054-1; and
- Atrazine and benzaldehyde for SDG 460-236042-1.

The detections for these analytes in the associated samples are qualified biased high. Non-detect results are not qualified due to high bias.

The laboratory control sample had the following recoveries below criteria:

- M&P cresols for SDG 460-234049-1.

The detections for these analytes in the associated samples are qualified biased low.

One or more surrogate recovery is below criteria for sample 460-236396-2. The results for this sample is qualified biased low.

The MS/MSD for sample 460-234569-05 had recoveries outside criteria for indeno(1,2,3-cd)pyrene. The results for these analytes in the parent sample have been qualified as estimated.

PCBs by EPA 8082

One or more surrogate recovery is below criteria for the following samples: 460-234565-15. The results for these samples are qualified biased low.

Lead by EPA 6010/6020

The MS, laboratory duplicates, and serial dilutions for lead analysis had acceptable recoveries and/or RPDs with the following exceptions outside control limits: MS for sample 460-235626-1. The detection of lead in the parent samples are qualified as estimated.

MEMORANDUM

ROUX

Date: November 11, 2021

To: Mr. Richard Mohlenhoff, P.E., Amtrak

From: Jeff Wills, Roux Environmental Engineering and Geology, D.P.C.

cc: Robert Kovacs, P.G., LSRP, Roux Environmental Engineering and Geology, D.P.C.

Subject: Amtrak Sunnyside Yard – Long Island City, New York; Grid Cell WC-21 – PCB Delineation Soil Sampling Results

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of National Railroad Passenger Corporation (Amtrak) has prepared this memorandum to describe the results of the delineation soil sampling activities completed at Sunnyside Yard, 39-29 Honeywell Street, Queens, New York (Yard). Based on previous *in situ* soil characterization sampling conducted at the Yard in June 2021 in support of the Acela Construction Project, polychlorinated biphenyls (PCBs) were detected in soil at a concentration above 50 milligrams per kilogram (mg/kg) in a composite soil sample collected from the 0-5 feet below land surface (ft bls) depth interval within grid cell WC-21. PCBs were detected at a concentration of 79 mg/kg in composite soil sample WC-21 (0-5), collected as a composite of soil from four separate soil borings (WC-21A through WC-21 D) installed within WC-21.

Following receipt of this data, Roux returned to Yard and successfully completed delineation of PCBs over 50 ppm grid cell WC-21. The following subsections provide details on the soil sampling procedures and soil quality/results of the delineation soil sampling activities completed around grid cell WC-21.

Soil Sampling Procedure

On November 2 to November 3, 2021, a total of eight soil borings were installed around the perimeter of grid cell WC-21 and advanced to depths of five ft bls. Soil boring locations are shown on Figure 1. At each location, composite soil samples were collected and submitted for laboratory analysis of PCBs. Two soil borings were completed on each side of grid cell WC-21 (north, west, east, south sides). At each location, an approximate two feet by two feet area was open and soil was extracted using hand tools (post hole digger, hand auger, shovels, etc.) and vacuum assisted technology to facilitate the collection of soil samples from the 0-5 ft bls interval. At soil boring locations WC-21_N1 and WC-21_N2, concrete obstructions (likely related to subsurface utilities) were observed during clearing activities. These two locations were moved approximately 10 feet south into grid cell WC-21, away from the utility/obstruction and new locations were completed.

During soil boring activities, soil from each boring was inspected for evidence of contamination including staining, separate-phase petroleum hydrocarbons, and/or odors and field screened for organic vapors using a photoionization detector (PID). Soil lithology from each soil boring was recorded in accordance with the Unified Soil Classification System. Soil boring logs are provided as Attachment 1. Soil was collected at each soil boring location from the 0-5 ft bls interval and placed in laboratory provided jars.

All soil samples were transported in iced coolers under chain-of-custody procedures to Eurofins Test America of Edison, New Jersey, a New York State Department of Health Environmental Laboratory Accreditation Program-certified laboratory and were analyzed for PCBs via USEPA Method 8082A. Laboratory Analytical Reports are provided in Attachment 2.

Soil Quality/Results

Soil lithology observed included fill material that extended from the surface to five ft bls. This fill material consisted of brown to dark brown sand and gravel with varying amounts of urban fill-like material (including brick, concrete, asphalt, metal, cobble, and/or ceramic tile debris). PID reading from soil

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

screening activities did not indicate the presence of VOCs (i.e., all PID readings were less than one parts per million) and no odors or staining were observed at any of the soil boring locations.

The analytical results for PCBs are summarized in Table 1 (attached). As shown, there were no PCB detections in soil collected from any of the delineation borings around the perimeter of grid cell WC-21 in exceedance of 50 mg/kg. PCBs were detected at concentrations ranging from not detected (WC-21_N2 [0-5]) to a maximum concentration of 13 mg/kg (WC-21_E2_0-5).

TABLES

1. Summary of Polychlorinated Biphenyls in Soil

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
ft bls -	Feet below land surface
MG/KG -	Milligrams per kilogram
NJDEP -	New Jersey Department of Environmental Protection
PA DEP -	Pennsylvania Department of Environmental Protection
SRS -	Soil Remediation Standards
--	No Standards available
Shaded data indicates that parameter was detected above the NJDEP Residential Direct Contact Soil Remediation Standards	
Red data indicates that parameter was detected above the NJDEP Non-Residential Direct Contact Soil Remediation Standards	
Underlined data indicates that parameter was detected above the PADEP Clean Fill Concentration Limits	

Table 1. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard, Long Island City, New York

Parameter	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units	Sample Designation: WC-21_E1 Sample Date: 11/02/2021 Sample Depth (ft bls): 0 - 5	Sample Designation: WC-21_E2 Sample Date: 11/02/2021 Sample Depth (ft bls): 0 - 5	Sample Designation: WC-21_N1 Sample Date: 11/03/2021 Sample Depth (ft bls): 0 - 5	Sample Designation: WC-21_N2 Sample Date: 11/03/2021 Sample Depth (ft bls): 0 - 5
PCB-1016 (Aroclor 1016)	--	--	9	46	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1221 (Aroclor 1221)	--	--	0.18	0.83	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1232 (Aroclor 1232)	--	--	0.14	0.7	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1242 (Aroclor 1242)	--	--	4	20	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1248 (Aroclor 1248)	--	--	9.3	46	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1254 (Aroclor 1254)	--	--	4.4	46	MG/KG	0.56	13	0.072 U	0.073 U
PCB-1260 (Aroclor 1260)	--	--	9	46	MG/KG	0.074 U	1.8 U	0.08	0.073 U
PCB-1262 (Aroclor 1262)	--	--	--	--	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
PCB-1268 (Aroclor 1268)	--	--	--	--	MG/KG	0.074 U	1.8 U	0.072 U	0.073 U
Polychlorinated Biphenyl (PCBs)	0.2	1	--	--	MG/KG	0.56	13	0.08	0.073 U

Table 1. Summary of Polychlorinated Biphenyls in Soil, Sunnyside Yard, Long Island City, New York

					Sample Designation:	WC-21_S1	WC-21_S2	WC-21_W1	WC-21_W2
					Sample Date:	11/02/2021	11/02/2021	11/02/2021	11/02/2021
					Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 5
Parameter	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units				
PCB-1016 (Aroclor 1016)	--	--	9	46	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1221 (Aroclor 1221)	--	--	0.18	0.83	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1232 (Aroclor 1232)	--	--	0.14	0.7	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1242 (Aroclor 1242)	--	--	4	20	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1248 (Aroclor 1248)	--	--	9.3	46	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1254 (Aroclor 1254)	--	--	4.4	46	MG/KG	0.32	1.1	2.1	0.67
PCB-1260 (Aroclor 1260)	--	--	9	46	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1262 (Aroclor 1262)	--	--	--	--	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
PCB-1268 (Aroclor 1268)	--	--	--	--	MG/KG	0.077 U	0.14 U	0.37 U	0.07 U
Polychlorinated Biphenyl (PCBs)	0.2	1	--	--	MG/KG	0.32	1.1	2.1	0.67

FIGURES

1. Grid Cell WC-21 – PCB Delineation Sampling

LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–10 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–8 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–2 FT BLS INTERVAL (SOIL FROM EACH SOIL BORING WAS COMPOSITED INTO ONE SAMPLE)
- WC-21_N1_0-5 — LOCATION AND DESIGNATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0–5 FT BLS INTERVAL FOR PCB DELINEATION
- WC-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WL-1 — LOCATION AND DESIGNATION OF OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 10 FT BLS)
- WCR-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- CA-1 — LOCATION AND DESIGNATION OF SHALLOW WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 2 FT BLS)
- WATER LINE (APPROXIMATE)

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. SOIL SAMPLES COLLECTED FROM THE 0–5 FT BLS SAMPLE INTERVAL WERE COLLECTED FROM THE EXISTING EXCAVATIONS IN GRIDS WC–18, WC–19, WC–20, WC–27, AND WC–28. LOCATIONS DESIGNATED AS A, B, C, AND D WITHIN THESE GRID CELLS REPRESENT LOCATIONS WITHIN THE EXCAVATIONS THAT WERE COLLECTED FROM THE 0–5 FT BLS SAMPLE INTERVAL.
3. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5–10 FT BLS AND/OR 10–18 FT BLS SAMPLE INTERVALS.
4. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
5. FT BLS – FEET BELOW LAND SURFACE

N

40' 0 40'

Title:

GRID CELL WC-21
PCB DELINEATION SAMPLING

SUNNYSIDE YARD

Prepared For:

AMTRAK

ROUX

Compiled by: D.M.	Date: 8NOV21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y186.01.DWG		

V:\CAD\PROJECTS\0055\Y\0148Y\186\0055.0148Y186.01.DWG

ATTACHMENTS

1. Soil Boring Logs
2. Laboratory Results

ATTACHMENT 1

Soil Boring Logs

WC-21_E1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Eastern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 5 ft bls
1	MIXD		Dark brown, medium to coarse SAND, little Gravel, trace brick (FILL); moist.	G	5	0.0	Sample WC-21_E1 (0-5) collected for PCBs analysis
2						0.0	
3						0.0	
4						0.0	

Bottom of borehole at 5 feet

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_E2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Eastern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
	CONC		CONCRETE.				
1	MIXD		Gray, medium to coarse SAND and CONCRETE fragments, little Gravel (FILL); dry			0.0	Sample WC-21_E2 (0-5) collected for PCBs analysis
2	MIXD		Dark brown, medium to coarse SAND, little Gravel and Cobble (Fill); moist	G	5	0.0	
3	MIXD		Brown, medium to coarse SAND, little Gravel and Cobble (Fill); moist			0.0	
4			Bottom of borehole at 5 feet			0.0	

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_N1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/3/2021 - 11/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Northern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls
	MIXD		Dark brown to gray, medium SAND, some Gravel and Cobble (FILL); moist.			0.2	
1			Dark brown to gray, medium SAND, some Gravel and Cobble, little brick and concrete (FILL); moist.			0.0	Sample WC-21_N1 (0-5) collected for PCBs analysis
	MIXD						
2			Brown to dark brown, medium SAND, little Gravel (Fill); moist.			0.0	
				G	5		
3						0.0	
	MIXD						
4							
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_N2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/3/2021 - 11/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Northern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls.
	MIXD		Dark brown, medium SAND, some Gravel and Cobble (FILL); moist.			0.1	
1						0.0	Sample WC-21_N2 (0-5) collected for PCBs analysis.
2	MIXD		Dark brown, medium SAND, little Gravel and Cobble, trace ceramic tile (FILL); moist.	G	5	0.0	
3						0.0	
4						0.0	
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_S1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Southern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
			Light brown, fine SAND and SILT, trace gravel (FILL); moist.			0.0	Precleared to 5 ft bls
1						0.0	Sample WC-21_S1 (0-5) collected for PCB analysis
2						0.0	
	MIXD			G	5		
3						0.0	
4							
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_S2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Southern boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Precleared to 5 ft bls
1	CONC		CONCRETE.				Sample WC-21_S2 (0-5) collected for PCBs analysis
2	MIXD		Dark brown, medium SAND, little Gravel, trace cobble (Fill); moist.			0.0	
3	MIXD		Dark brown, medium SAND, little Gravel and Cobble (Fill); moist	G	5		
4			Bottom of borehole at 5 feet				

ROUX STANDARD LOG_ - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_W1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Western boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 ft bls
	MIXD		Dark brown, medium SAND and GRAVEL, little Asphalt, trace brick (FILL); dry.			0.1	
1			Dark brown, medium SAND, some Gravel, trace brick and metal (FILL); moist.			0.0	Sample WC-21_W1 (0-5) collected for PCBs analysis
2				G	5	0.0	
3	MIXD					0.0	
4							

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WC-21_W2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/2/2021 - 11/2/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Western boundary of WC-21	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
			Light brown, medium SAND, little Gravel, trace brick (FILL); dry.			0.0	Hand cleared to five feet bls
1						0.0	Sample WC-21_W2 (0-5) collected for PCBs analysis
2						0.0	
	MIXD			G	5		
3						0.0	
4						0.0	

Bottom of borehole at 5 feet

ROUX STANDARD LOG - 11/9/21 16:44 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

ATTACHMENT 2

Laboratory Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-246491-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/4/2021 4:47:42 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

LINKS

Review your project results through TotalAccess

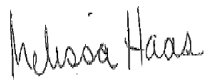
Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/4/2021 4:47:42 PM

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246491-1
Project/Site: Amtrak-Sunnyside Yards

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-246491-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-246491-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 11/03/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS
Samples WC-21_N1_0-5 (460-246491-1) and WC-21_N2_0-5 (460-246491-2) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/03/2021 and analyzed on 11/04/2021.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples WC-21_N1_0-5 (460-246491-1) and WC-21_N2_0-5 (460-246491-2) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/04/2021.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-246489-6.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246491-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-21_N1_0-5
Lab Sample ID: 460-246491-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1260	0.080		0.072	0.019	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.080		0.072	0.019	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WC-21_N2_0-5
Lab Sample ID: 460-246491-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-21_N1_0-5

Lab Sample ID: 460-246491-1
Date Collected: 11/03/21 11:20
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 93.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1260	**0.080**		0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1
Polychlorinated biphenyls, Total	**0.080**		0.072	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*37 - 150*	*11/03/21 23:11*	*11/04/21 11:09*	*1*
DCB Decachlorobiphenyl	*113*		*37 - 150*	*11/03/21 23:11*	*11/04/21 11:09*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*11/03/21 23:11*	*11/04/21 11:09*	*1*
Tetrachloro-m-xylene	*96*		*54 - 150*	*11/03/21 23:11*	*11/04/21 11:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**93.6**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_N2_0-5

Lab Sample ID: 460-246491-2
Date Collected: 11/03/21 09:45
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 92.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*122*		*37 - 150*	*11/03/21 23:11*	*11/04/21 11:42*	*1*
DCB Decachlorobiphenyl	*128*		*37 - 150*	*11/03/21 23:11*	*11/04/21 11:42*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*11/03/21 23:11*	*11/04/21 11:42*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*11/03/21 23:11*	*11/04/21 11:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.9**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**92.1**		1.0	1.0	%			11/04/21 09:29	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246491-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-246491-1	WC-21_N1_0-5	113	110	96	98
460-246491-2	WC-21_N2_0-5	128	122	109	111
LCS 460-811188/2-A	Lab Control Sample	105	99	93	94
LCSD 460-811188/3-A	Lab Control Sample Dup	107	102	94	95
MB 460-811188/1-A	Method Blank	101	96	93	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-811188/1-A
Matrix: Solid
Analysis Batch: 811254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 811188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
Tetrachloro-m-xylene	*93*		*54 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*

Lab Sample ID: LCS 460-811188/2-A
Matrix: Solid
Analysis Batch: 811254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 811188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.355		mg/Kg		106	65 - 133
Aroclor 1016	0.333	0.354		mg/Kg		106	65 - 133
Aroclor 1260	0.333	0.391		mg/Kg		117	71 - 150
Aroclor 1260	0.333	0.387		mg/Kg		116	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*37 - 150*
DCB Decachlorobiphenyl	*105*		*37 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*
Tetrachloro-m-xylene	*93*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-811188/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 811254
Prep Batch: 811188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.365		mg/Kg		110	65 - 133	3	30
Aroclor 1016			0.333	0.362		mg/Kg		109	65 - 133	2	30
Aroclor 1260			0.333	0.393		mg/Kg		118	71 - 150	1	30
Aroclor 1260			0.333	0.396		mg/Kg		119	71 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*37 - 150*
DCB Decachlorobiphenyl	*107*		*37 - 150*
Tetrachloro-m-xylene	*95*		*54 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-246489-A-6 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 811319

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.4			7.4	*	%				33	20
Percent Solids	89.6			92.6		%				3	20

GC Semi VOA

Prep Batch: 811188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246491-1	WC-21_N1_0-5	Total/NA	Solid	3546	
460-246491-2	WC-21_N2_0-5	Total/NA	Solid	3546	
MB 460-811188/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-811188/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-811188/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 811254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246491-1	WC-21_N1_0-5	Total/NA	Solid	8082A	811188
460-246491-2	WC-21_N2_0-5	Total/NA	Solid	8082A	811188
MB 460-811188/1-A	Method Blank	Total/NA	Solid	8082A	811188
LCS 460-811188/2-A	Lab Control Sample	Total/NA	Solid	8082A	811188
LCSD 460-811188/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	811188

General Chemistry

Analysis Batch: 811319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246491-1	WC-21_N1_0-5	Total/NA	Solid	Moisture	
460-246491-2	WC-21_N2_0-5	Total/NA	Solid	Moisture	
460-246489-A-6 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246491-1

Client Sample ID: WC-21_N1_0-5
Date Collected: 11/03/21 11:20
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246491-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_N1_0-5
Date Collected: 11/03/21 11:20
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246491-1
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		1	811254	11/04/21 11:09	JHP	TAL EDI

Client Sample ID: WC-21_N2_0-5
Date Collected: 11/03/21 09:45
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246491-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_N2_0-5
Date Collected: 11/03/21 09:45
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246491-2
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		1	811254	11/04/21 11:42	JHP	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246491-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246491-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246491-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-246491-1	WC-21_N1_0-5	Solid	11/03/21 11:20	11/03/21 18:00
460-246491-2	WC-21_N2_0-5	Solid	11/03/21 09:45	11/03/21 18:00

NYC 222

Chain of Custody Record

518995 246491

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~~246819~~ 11/3/21

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Wills	Site Contact: Andrew Klein	Date: 11/3/21	COC No:
Company Name: Roux	Tel/Email: Jwills@rouxinc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY 11749	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (516)637-0213	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Amtrak - Sunnyside Yard	☐ 1 week			
Site: LIC, NY	☐ 2 days			Job / SDG No.:
PO# 0055.0148Y000	☑ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N) PCBs - 8082A	Sample Specific Notes:
WC-21_N1_0-5	11/3/21	1120	C	S	1		X	
WC-21_N2_0-5	↓	0945	C	S	1		X	

460-246491 Chain of Custody

1-Day RUSH

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Klein	Roux	11/3/21 1530			11321 1530
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		1534			11/3/21 1800
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.9 2+

11/4/2021

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 246491

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.9 °C	2.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 11321

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-246491-1

Login Number: 246491
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-246492-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/4/2021 4:50:58 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Melissa Haas

Melissa Haas
Senior Project Manager
11/4/2021 4:50:58 PM

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-246492-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-246492-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 11/03/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.5 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS
Samples WC-21_W1_0-5 (460-246492-1), WC-21_W2_0-5 (460-246492-2), WC-21_S1_0-5 (460-246492-3), WC-21_S2_0-5 (460-246492-4), WC-21_E2_0-5 (460-246492-5) and WC-21_E1_0-5 (460-246492-6) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/03/2021 and analyzed on 11/04/2021.

The following sample was diluted due to abundance of target analytes: WC-21_E2_0-5 (460-246492-5). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples WC-21_W1_0-5 (460-246492-1), WC-21_W2_0-5 (460-246492-2), WC-21_S1_0-5 (460-246492-3), WC-21_S2_0-5 (460-246492-4), WC-21_E2_0-5 (460-246492-5) and WC-21_E1_0-5 (460-246492-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/04/2021.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-246489-6.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-246492-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WC-21_W1_0-5 — Lab Sample ID: 460-246492-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	2.1		0.37	0.097	mg/Kg	5	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	2.1		0.37	0.097	mg/Kg	5	☼	8082A	Total/NA

Client Sample ID: WC-21_W2_0-5 — Lab Sample ID: 460-246492-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	0.67		0.070	0.019	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.67		0.070	0.019	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WC-21_S1_0-5 — Lab Sample ID: 460-246492-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	0.32		0.077	0.020	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.32		0.077	0.020	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WC-21_S2_0-5 — Lab Sample ID: 460-246492-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	1.1		0.14	0.038	mg/Kg	2	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	1.1		0.14	0.038	mg/Kg	2	☼	8082A	Total/NA

Client Sample ID: WC-21_E2_0-5 — Lab Sample ID: 460-246492-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	13		1.8	0.47	mg/Kg	25	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	13		1.8	0.47	mg/Kg	25	☼	8082A	Total/NA

Client Sample ID: WC-21_E1_0-5 — Lab Sample ID: 460-246492-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	0.56		0.074	0.020	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.56		0.074	0.020	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-21_W1_0-5
Lab Sample ID: 460-246492-1

Date Collected: 11/02/21 10:30
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 91.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1221	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1232	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1242	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1248	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1254	**2.1**		0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1260	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor-1262	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Aroclor 1268	0.37	U	0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5
Polychlorinated biphenyls, Total	**2.1**		0.37	0.097	mg/Kg	☼	11/03/21 23:11	11/04/21 13:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*37 - 150*	*11/03/21 23:11*	*11/04/21 13:46*	*5*
DCB Decachlorobiphenyl	*122*		*37 - 150*	*11/03/21 23:11*	*11/04/21 13:46*	*5*
Tetrachloro-m-xylene	*102*		*54 - 150*	*11/03/21 23:11*	*11/04/21 13:46*	*5*
Tetrachloro-m-xylene	*98*		*54 - 150*	*11/03/21 23:11*	*11/04/21 13:46*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.7**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**91.3**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_W2_0-5
Lab Sample ID: 460-246492-2

Date Collected: 11/02/21 10:40
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 95.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1221	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1232	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1242	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1248	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1254	**0.67**		0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1260	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor-1262	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Aroclor 1268	0.070	U	0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1
Polychlorinated biphenyls, Total	**0.67**		0.070	0.019	mg/Kg	☼	11/03/21 23:11	11/04/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*37 - 150*	*11/03/21 23:11*	*11/04/21 12:16*	*1*
DCB Decachlorobiphenyl	*116*		*37 - 150*	*11/03/21 23:11*	*11/04/21 12:16*	*1*
Tetrachloro-m-xylene	*108*		*54 - 150*	*11/03/21 23:11*	*11/04/21 12:16*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*11/03/21 23:11*	*11/04/21 12:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.2**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**95.8**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_S1_0-5
Lab Sample ID: 460-246492-3

Date Collected: 11/02/21 10:55
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 87.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1254	**0.32**		0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1
Polychlorinated biphenyls, Total	**0.32**		0.077	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*37 - 150*	*11/03/21 23:11*	*11/04/21 12:32*	*1*
DCB Decachlorobiphenyl	*128*		*37 - 150*	*11/03/21 23:11*	*11/04/21 12:32*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*11/03/21 23:11*	*11/04/21 12:32*	*1*
Tetrachloro-m-xylene	*110*		*54 - 150*	*11/03/21 23:11*	*11/04/21 12:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**87.4**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_S2_0-5
Lab Sample ID: 460-246492-4

Date Collected: 11/02/21 12:05
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 93.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1221	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1232	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1242	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1248	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1254	**1.1**		0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1260	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor-1262	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Aroclor 1268	0.14	U	0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2
Polychlorinated biphenyls, Total	**1.1**		0.14	0.038	mg/Kg	☼	11/03/21 23:11	11/04/21 14:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*37 - 150*	*11/03/21 23:11*	*11/04/21 14:03*	*2*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*11/03/21 23:11*	*11/04/21 14:03*	*2*
Tetrachloro-m-xylene	*100*		*54 - 150*	*11/03/21 23:11*	*11/04/21 14:03*	*2*
Tetrachloro-m-xylene	*97*		*54 - 150*	*11/03/21 23:11*	*11/04/21 14:03*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**93.2**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_E2_0-5
Lab Sample ID: 460-246492-5

Date Collected: 11/02/21 13:35
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 95.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1221	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1232	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1242	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1248	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1254	**13**		1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1260	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor-1262	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Aroclor 1268	1.8	U	1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25
Polychlorinated biphenyls, Total	**13**		1.8	0.47	mg/Kg	☼	11/03/21 23:11	11/04/21 14:19	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*	*37 - 150*	*11/03/21 23:11*	*11/04/21 14:19*	*25*
DCB Decachlorobiphenyl	*0*	*	*37 - 150*	*11/03/21 23:11*	*11/04/21 14:19*	*25*
Tetrachloro-m-xylene	*0*	*	*54 - 150*	*11/03/21 23:11*	*11/04/21 14:19*	*25*
Tetrachloro-m-xylene	*0*	*	*54 - 150*	*11/03/21 23:11*	*11/04/21 14:19*	*25*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.8**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**95.2**		1.0	1.0	%			11/04/21 09:29	1

Client Sample ID: WC-21_E1_0-5
Lab Sample ID: 460-246492-6

Date Collected: 11/02/21 14:50
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1254	**0.56**		0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1
Polychlorinated biphenyls, Total	**0.56**		0.074	0.020	mg/Kg	☼	11/03/21 23:11	11/04/21 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*37 - 150*	*11/03/21 23:11*	*11/04/21 13:22*	*1*
DCB Decachlorobiphenyl	*119*		*37 - 150*	*11/03/21 23:11*	*11/04/21 13:22*	*1*
Tetrachloro-m-xylene	*108*		*54 - 150*	*11/03/21 23:11*	*11/04/21 13:22*	*1*
Tetrachloro-m-xylene	*106*		*54 - 150*	*11/03/21 23:11*	*11/04/21 13:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		1.0	1.0	%			11/04/21 09:29	1
Percent Solids	**90.3**		1.0	1.0	%			11/04/21 09:29	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(37-150)	(37-150)	(54-150)	(54-150)
460-246492-1	WC-21_W1_0-5	122	118	98	102
460-246492-2	WC-21_W2_0-5	116	112	106	108
460-246492-3	WC-21_S1_0-5	128	119	110	111
460-246492-4	WC-21_S2_0-5	114	111	97	100
460-246492-5	WC-21_E2_0-5	0 *	0 *	0 *	0 *
460-246492-6	WC-21_E1_0-5	119	114	106	108
LCS 460-811188/2-A	Lab Control Sample	105	99	93	94
LCSD 460-811188/3-A	Lab Control Sample Dup	107	102	94	95
MB 460-811188/1-A	Method Blank	101	96	93	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-811188/1-A
Matrix: Solid
Analysis Batch: 811254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 811188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		11/03/21 18:17	11/04/21 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
DCB Decachlorobiphenyl	*101*		*37 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
Tetrachloro-m-xylene	*94*		*54 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*
Tetrachloro-m-xylene	*93*		*54 - 150*	*11/03/21 18:17*	*11/04/21 10:52*	*1*

Lab Sample ID: LCS 460-811188/2-A
Matrix: Solid
Analysis Batch: 811254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 811188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.355		mg/Kg		106	65 - 133
Aroclor 1016	0.333	0.354		mg/Kg		106	65 - 133
Aroclor 1260	0.333	0.391		mg/Kg		117	71 - 150
Aroclor 1260	0.333	0.387		mg/Kg		116	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*37 - 150*
DCB Decachlorobiphenyl	*105*		*37 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*
Tetrachloro-m-xylene	*93*		*54 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-811188/3-A
Matrix: Solid
Analysis Batch: 811254

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 811188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.365		mg/Kg		110	65 - 133	3	30
Aroclor 1016			0.333	0.362		mg/Kg		109	65 - 133	2	30
Aroclor 1260			0.333	0.393		mg/Kg		118	71 - 150	1	30
Aroclor 1260			0.333	0.396		mg/Kg		119	71 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*37 - 150*
DCB Decachlorobiphenyl	*107*		*37 - 150*
Tetrachloro-m-xylene	*95*		*54 - 150*
Tetrachloro-m-xylene	*94*		*54 - 150*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-246489-A-6 DU
Matrix: Solid
Analysis Batch: 811319

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.4			7.4	*	%				33	20
Percent Solids	89.6			92.6		%				3	20

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

GC Semi VOA

Prep Batch: 811188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246492-1	WC-21_W1_0-5	Total/NA	Solid	3546	
460-246492-2	WC-21_W2_0-5	Total/NA	Solid	3546	
460-246492-3	WC-21_S1_0-5	Total/NA	Solid	3546	
460-246492-4	WC-21_S2_0-5	Total/NA	Solid	3546	
460-246492-5	WC-21_E2_0-5	Total/NA	Solid	3546	
460-246492-6	WC-21_E1_0-5	Total/NA	Solid	3546	
MB 460-811188/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-811188/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-811188/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 811254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246492-1	WC-21_W1_0-5	Total/NA	Solid	8082A	811188
460-246492-2	WC-21_W2_0-5	Total/NA	Solid	8082A	811188
460-246492-3	WC-21_S1_0-5	Total/NA	Solid	8082A	811188
460-246492-4	WC-21_S2_0-5	Total/NA	Solid	8082A	811188
460-246492-5	WC-21_E2_0-5	Total/NA	Solid	8082A	811188
460-246492-6	WC-21_E1_0-5	Total/NA	Solid	8082A	811188
MB 460-811188/1-A	Method Blank	Total/NA	Solid	8082A	811188
LCS 460-811188/2-A	Lab Control Sample	Total/NA	Solid	8082A	811188
LCSD 460-811188/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	811188

General Chemistry

Analysis Batch: 811319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246492-1	WC-21_W1_0-5	Total/NA	Solid	Moisture	
460-246492-2	WC-21_W2_0-5	Total/NA	Solid	Moisture	
460-246492-3	WC-21_S1_0-5	Total/NA	Solid	Moisture	
460-246492-4	WC-21_S2_0-5	Total/NA	Solid	Moisture	
460-246492-5	WC-21_E2_0-5	Total/NA	Solid	Moisture	
460-246492-6	WC-21_E1_0-5	Total/NA	Solid	Moisture	
460-246489-A-6 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246492-1

Client Sample ID: WC-21_W1_0-5
Date Collected: 11/02/21 10:30
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_W1_0-5
Date Collected: 11/02/21 10:30
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-1
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		5	811254	11/04/21 13:46	JHP	TAL EDI

Client Sample ID: WC-21_W2_0-5
Date Collected: 11/02/21 10:40
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_W2_0-5
Date Collected: 11/02/21 10:40
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-2
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		1	811254	11/04/21 12:16	JHP	TAL EDI

Client Sample ID: WC-21_S1_0-5
Date Collected: 11/02/21 10:55
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_S1_0-5
Date Collected: 11/02/21 10:55
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-3
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		1	811254	11/04/21 12:32	JHP	TAL EDI

Client Sample ID: WC-21_S2_0-5
Date Collected: 11/02/21 12:05
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246492-1

Client Sample ID: WC-21_S2_0-5
Date Collected: 11/02/21 12:05
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-4
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		2	811254	11/04/21 14:03	JHP	TAL EDI

Client Sample ID: WC-21_E2_0-5
Date Collected: 11/02/21 13:35
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_E2_0-5
Date Collected: 11/02/21 13:35
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-5
Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		25	811254	11/04/21 14:19	JHP	TAL EDI

Client Sample ID: WC-21_E1_0-5
Date Collected: 11/02/21 14:50
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	811319	11/04/21 09:29	MIE	TAL EDI

Client Sample ID: WC-21_E1_0-5
Date Collected: 11/02/21 14:50
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246492-6
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			811188	11/03/21 23:11	ARA	TAL EDI
Total/NA	Analysis	8082A		1	811254	11/04/21 13:22	JHP	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246492-1
Project/Site: Amtrak-Sunnyside Yards

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-246492-1	WC-21_W1_0-5	Solid	11/02/21 10:30	11/03/21 18:00
460-246492-2	WC-21_W2_0-5	Solid	11/02/21 10:40	11/03/21 18:00
460-246492-3	WC-21_S1_0-5	Solid	11/02/21 10:55	11/03/21 18:00
460-246492-4	WC-21_S2_0-5	Solid	11/02/21 12:05	11/03/21 18:00
460-246492-5	WC-21_E2_0-5	Solid	11/02/21 13:35	11/03/21 18:00
460-246492-6	WC-21_E1_0-5	Solid	11/02/21 14:50	11/03/21 18:00

NYC 222

Chain of Custody Record 518995

eurofins | Environment Testing TestAmerica

246492

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: 840

TAL-8210

Client Contact	Project Manager: Jeff Wills	Site Contact: Andrew K. 6142187	Date: 11/2/21	COC No:
Company Name: Roux	Tel/Email: Jwills@rouxinc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY 11749	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (516) 637-0213	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: 0055.0148Y000	☐ 1 week			
Site: Sunnyside Yard - Amtrak	☐ 2 days			Job/SDG No.:
PO# 0055.0148Y000	☑ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8082A - PCBs	Sample Specific Notes:
1	WC-21_W1_0-5	11/2/21	1030	C	S	1	N	X		
2	WC-21_W2_0-5		1040	C	S	1	N	X		
3	WC-21_S1_0-5		1055	C	S	1	N	X		
4	WC-21_S2_0-5		1205	C	S	1	N	X		
5	WC-21_E2_0-5		1335	C	S	1	N	X		
6	WC-21_E1_0-5		1450	C	S	1	N	X		

460-246492 Chain of Custody

1-Day RUSH

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by: Andrew Klein	Roux	11/2/21 1600	Received by:	TA NYC	11/02/21 4:00PM
Relinquished by:	TA NYC	11/03/21 1700	Received by:		1134 18
Relinquished by:		1138 x 1800	Received in Laboratory by:	TA	11/3/21 1800

20 of 22

Page 20 of 22

11/4/2021

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 246492

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.0 °C	1.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: Rama Date: 11 3 21

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-246492-1

Login Number: 246492
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

MEMORANDUM

Date: November 17, 2021

To: Mr. Richard Mohlenhoff, P.E., Amtrak

From: Jeff Wills, Roux Environmental Engineering and Geology, D.P.C.

cc: Robert Kovacs, P.G., LSRP, Roux Environmental Engineering and Geology, D.P.C.

Subject: Amtrak Sunnyside Yard – Acela / Ready Tracks, Long Island City, New York;
Grid Cell WCR-10 – TCLP Lead Delineation Soil Sampling

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of National Railroad Passenger Corporation (Amtrak) has prepared this memorandum to describe the results of the delineation soil sampling completed at Sunnyside Yard, 39-29 Honeywell Street, Queens, New York (Yard). Previous *in situ* soil characterization sampling conducted in June 2021 in support of the Acela Program Construction Project (Acela Program) identified Toxicity Characteristic Leaching Procedure (TCLP) lead in soil at a concentration above the United States Environmental Protection Agency (USEPA) Regulatory Level of five (5) milligrams per liter (mg/L) in a composite soil sample collected from the 0-8 feet below land surface (ft bls) depth interval within grid cell WCR-10. TCLP lead was detected at a concentration of 15.8 mg/L in composite soil sample WCR-10 (0-8), collected as a composite of soil from four distinct soil borings within grid cell WCR-10.

Following receipt of this data, Roux returned to the Yard and successfully completed delineation of TCLP lead over USEPA Regulatory Level of 5 mg/L in WCR-10. The following subsections provide details on the soil sampling procedures and soil quality results of the delineation soil sampling activities completed around grid cell WCR-10.

Soil Sampling Procedure

On November 3 to November 5, 2021, a total of five soil borings were installed on the eastern, southern, and western sides of grid cell WCR-10 that were adjacent to other grid cells and advanced to depths of eight ft bls. There is no grid cell along the northern border of WCR-10. Soil boring locations are provided on Figure 1. As shown, two soil borings were completed on the eastern boundary of WCR-10 (bordering grid cell WCR-11), two soil borings were completed on the southern boundary of WCR-10 (one of each bordering grid cells WC-13 and WC-14), and one soil boring was completed on the western boundary of WCR-10 (bordering grid cell CA-1). All soil boring locations were advanced to a depth of eight ft bls using hand tools (post hole digger, shovels, etc.) and vacuum assisted technology to facilitate the collection of soil samples. Based on the previous sampling depth of the adjacent grid cells, soil samples were collected from the 0-5 ft bls and 5-8 ft bls intervals (soil borings installed on the southern and western sides of WCR-10) and the 0-8 ft bls interval (soil borings installed on the eastern side of WCR-10). Utility clearance activities were completed during soil boring activities in accordance with Roux's and Amtrak's subsurface clearance protocols.

During soil boring activities, soil from each soil boring was inspected for evidence of contamination including staining, separate-phase petroleum hydrocarbons, and/or odors and screened for organic vapors using a photoionization detector (PID). Soil lithology from each soil boring was recorded in accordance with the United Soil Classification System (USCS). Soil boring logs are provided as Attachment 1.

All soil samples were transported in iced coolers under chain-of-custody procedures to Eurofins Test America (Test America) of Edison, NJ, a New York State Department of Health (NYSDOH) Environmental

209 Shafter Street ■ Islandia, New York 11749 ■ +1.631.232.2600 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Laboratory Accreditation Program (ELAP)-certified laboratory and were analyzed for total lead via USEPA Method 6010D and TCLP lead via USEPA Method 1311. Laboratory analytical reports are provided as Attachment 2.

Soil Quality/Results

Soil lithology observed during delineation soil sampling activities included fill material that typically ranged from two to five ft bls. This fill material contained a mix of brown to dark brown sand and gravel with varying amounts of urban fill-like material (including brick, concrete, cobble, and/or wood debris). Below the fill layer, soil typically observed was light brown to brown fine to medium sand with varying amounts of silt, gravel and cobble.

PID screening did not indicate the presence of VOCs (i.e., all PID readings were less than one part per million) and no odors or staining were observed.

The analytical results for total lead and TCLP lead are summarized in Tables 1-2 (attached). The sampling results confirmed that no soil samples collected along the eastern, southern and western sides of WCR-10 were in exceedance of the USEPA Regulatory Level of 5 mg/L for TCLP lead. TCLP lead concentrations ranged from not detected (WCR-10_W_0-5) to 0.0826 mg/L (WCR-10_S1_0-5). Additionally, there were no detections of total lead above New Jersey Department of Environmental Protection Residential / Non-Residential Direct Contact Soil Remediation Standards or Pennsylvania Department of Environmental Protection Clean Fill / Regulated Fill Levels. Total lead concentrations ranged from 17.2 milligrams per kilogram (mg/kg) (WCR-10_E1_0-8) to 93.3 mg/kg (WCR-10_S1_0-5).

TABLES

1. Summary of Lead in Soil
2. Summary of TCLP Lead in Soil

Notes Utilized Throughout Tables	
Soil Tables	
U -	Indicates that the compound was analyzed for but not detected
ft bls -	Feet below land surface
MG/KG -	Milligrams per kilogram
MG/L -	Milligrams per liter
NJDEP -	New Jersey Department of Environmental Protection
PA DEP -	Pennsylvania Department of Environmental Protection
SRS -	Soil Remediation Standards
USEPA -	United States Environmental Protection Agency

Table 1. Summary of Lead in Soil, Sunnyside Yard, Long Island City, New York

					Sample Designation:	WCR-10_E1	WCR-10_E2	WCR-10_S1	WCR-10_S1	WCR-10_S2	WCR-10_S2
					Sample Date:	11/03/2021	11/05/2021	11/05/2021	11/05/2021	11/04/2021	11/04/2021
					Sample Depth (ft bls):	0 - 8	0 - 8	0 - 5	5 - 8	0 - 5	5 - 8
Parameter	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units						
Lead	400	800	450	450	MG/KG	17.2	41.6	93.3	18.6	30	27.2

Table 1. Summary of Lead in Soil, Sunnyside Yard, Long Island City, New York

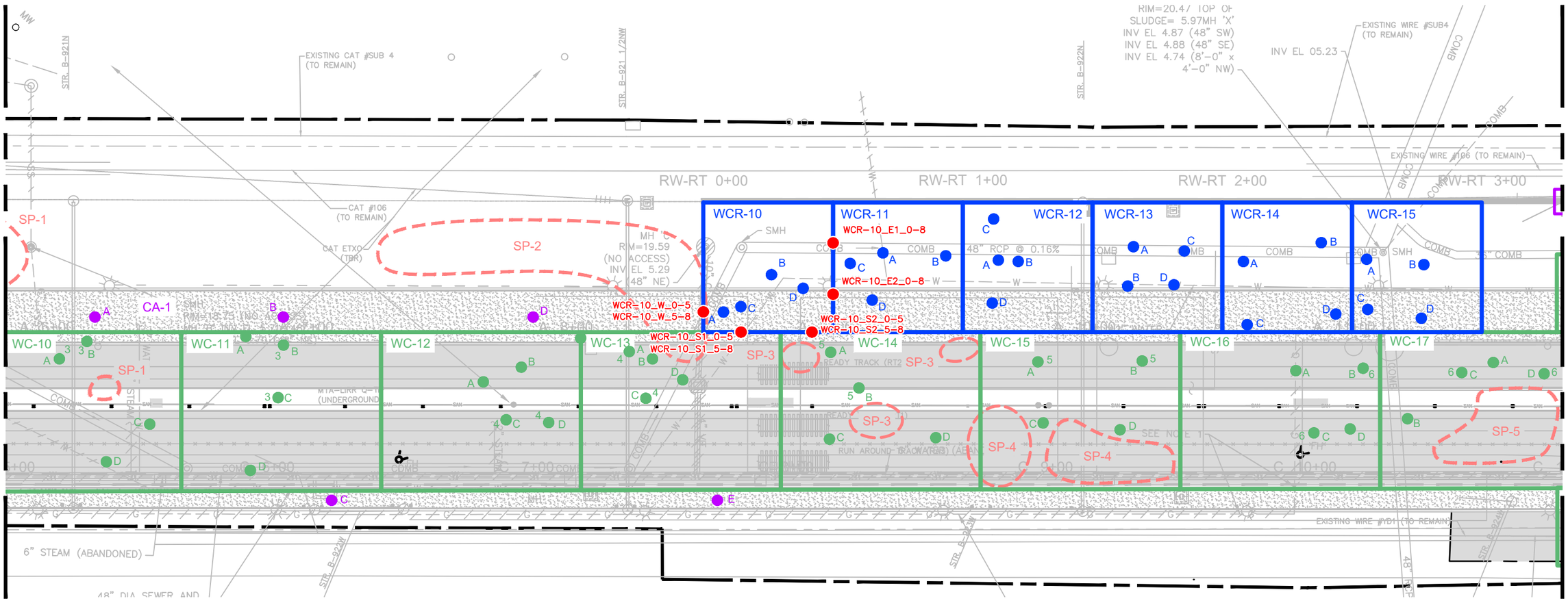
					Sample Designation:	WCR-10_W	WCR-10_W
					Sample Date:	11/04/2021	11/04/2021
					Sample Depth (ft bls):	0 - 5	5 - 8
Parameter	NJDEP Residential Direct Contact SRS	NJDEP Non Residential Direct Contact SRS	PADEP Clean Fill Levels	PADEP Regulated Fill Levels	Units		
Lead	400	800	450	450	MG/KG	54	57.8

Table 2. Summary of TCLP Lead in Soil, Sunnyside Yard, Long Island City, New York

		Sample Designation:	WCR-10_E1	WCR-10_E2	WCR-10_S1	WCR-10_S1	WCR-10_S2	WCR-10_S2	WCR-10_W	WCR-10_W
		Sample Date:	11/03/2021	11/05/2021	11/05/2021	11/05/2021	11/04/2021	11/04/2021	11/04/2021	11/04/2021
		Sample Depth (ft bls):	0 - 8	0 - 8	0 - 5	5 - 8	0 - 5	5 - 8	0 - 5	5 - 8
Parameter	USEPA Regulatory Levels (mg/L)	Units								
Lead	5	MG/L	0.0198	0.0288	0.0826	0.0298	0.043	0.0679	0.012 U	0.0173

FIGURES

1. Grid Cell WCR-10 – Total Lead and TCLP Lead Delineation Soil Sampling



LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER
- COMBINE SEWER
- MANHOLE
- WATER MAIN
- ELECTRICAL LINE
- TELECOM LINE
- SANITARY
- SANITARY FORCE MAIN
- GAS
- FIRE HYDRANT
- PROPERTY LINE
- CONCRETE PAVEMENT
- GRADE CROSSING
- BALLAST
- ASPHALT PAVEMENT
- TRACK CENTERLINE
- RETAINING WALL
- UNDERDRAIN
- FLOW DIRECTION
- CATENARY FOUNDATION
- SIGNAL LINE
- COMMUNICATION LINE
- LIMIT OF CONSTRUCTION LINE
- DRAINAGE CHANNEL

NOTES

1. DRAWING ADAPTED FROM 100% CIVIL DRAWING PACKAGE (04_PKG08_CIVIL_100%_2020-09-18) PREPARED BY GANNET FLEMING, STV AND WASP DATED SEPTEMBER 18, 2020.
2. NUMBERED SOIL BORINGS WERE COMPOSITED INTO 5-10 FT BLS AND/OR 10-18 FT BLS SAMPLE INTERVALS.
4. INDIVIDUAL BORINGS WITHIN EACH GRID CELL ARE DESIGNATED A, B, C, OR D.
5. FT BLS – FEET BELOW LAND SURFACE

KEY

- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-5 FT FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-8 FT BLS INTERVAL
- LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-2 FT BLS INTERVAL (SOIL FROM EACH SOIL BORING WAS COMPOSITED INTO ONE SAMPLE)
- WCR-10_E1_0-8 LOCATION OF SOIL BORING WITH SAMPLES COLLECTED FROM THE 0-8 FT BLS INTERVAL FOR TOTAL LEAD/TCLP LEAD DELINEATION
- WC-1 LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 5 FT BLS)
- WCR-1 LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 8 FT BLS)
- CA-1 LOCATION AND DESIGNATION OF SHALLOW WASTE CHARACTERIZATION GRID CELL (BOTTOM DEPTH 2 FT BLS)
- STOCKPILE BOUNDARY

40' 0 40'

Title:

GRID CELL WCR-10 TOTAL LEAD AND TCLP LEAD DELINEATION SOIL SAMPLING

ACELA 21/READY TRACKS

Prepared for:

AMTRAK

ROUX

Compiled by: B.H.	Date: 09NOV21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr: J.W.	Project: 0055.0148Y000	
File: 0055.0148Y187.01.DWG		

V:\CAD\PROJECTS\0055Y\0148Y\187\0055.0148Y187.01.DWG

ATTACHMENTS

1. Soil Boring Logs
2. Laboratory Analytical Reports

ATTACHMENT 1

Soil Boring Logs

WCR-10_E1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013	
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein	
Start to Finish Date: 11/3/2021 - 11/3/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Eastern boundary of WCR-10	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.2	Precleared to 8 ft bls.
	MIXD		Dark gray, medium SAND and GRAVEL, some Cobble (FILL); moist.			0.1	Sample WCR-10_E1_0-8 collected for total lead and TCLP lead analyses.
	SP		Light brown, medium SAND, trace gravel; moist.			0.1	
	SP		Light brown, medium SAND, trace gravel and cobble; moist.	G	8	0.0	
5	SM		Light brown, fine SAND and SILT; moist.			0.0	
	SPG		Light brown, medium SAND, some Gravel and Cobble; moist.			0.0	
			Bottom of borehole at 8 feet			0.0	

ROUX STANDARD LOG - 11/10/21 11:50 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WCR-10_E2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/5/2021 - 11/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Eastern boundary of WCR-10	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown to grey, medium SAND, some Gravel and Cobble, trace brick and wood (FILL); moist.			0.0	Precleared to 8 ft bls.
	MIXD		Brown, medium SAND, some Gravel and Cobble, trace brick, concrete and wood (FILL); moist.			0.1	Sample WCR-10_E2_0-8 collected for total lead and TCLP lead analyses.
	MIXD		Brown, medium SAND, some Gravel, trace cobble, brick, concrete and wood (FILL); moist.	G	8	0.1	
5	SP		Brown, medium SAND, little Gravel and Cobble; moist.			0.1	
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 11/10/21 11:50 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WCR-10_S1

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/5/2021 - 11/5/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Southern boundary of WCR-10	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
			Dark brown to grey, medium SAND, some Gravel and Cobble, trace brick (FILL); moist.			0.0	Precleared to 8 ft bls.
	MIXD					0.0	Sample WCR-10_S1_0-5 collected for total lead and TCLP lead analyses.
			Brown, medium SAND, little Gravel, trace cobble; moist.			0.0	
	SP			G	8		
5			Light brown, medium SAND, little Gravel, trace cobble; moist.			0.1	Sample WCR-10_S1_5-8 collected for total lead and TCLP lead analyses.
	SP						
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 11/10/21 11:50 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WCR-10_S2

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/4/2021 - 11/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Southern boundary of WCR-10	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	GWS		Grey, medium SAND and COBBLE, some Gravel, trace brick (FILL); moist.			0.1	Precleared to 8 ft bls.
						0.1	Sample WCR-10_S2_0-5 collected for total lead and TCLP lead analyses.
			Brown, medium SAND, little Gravel, trace cobble; moist.			0.0	
						0.0	
				G	8		
5	SP					0.0	Sample WCR-10_S2_5-8 collected for total lead and TCLP lead analyses.

Bottom of borehole at 8 feet

ROUX STANDARD LOG - 11/10/21 11:50 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

WCR-10_W

Client: Amtrak	Site: Sunnyside Yards	Project Number: 0055.0071Y013
Address: 39-29 Honeywell Street	City/State: Queens, New York	Logged By: A. Klein

Start to Finish Date: 11/4/2021 - 11/4/2021	Contractor: Aquifer Drilling & Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 24-inches	DTW:
Area: Western boundary of WCR-10	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, medium SAND, some Cobble and Gravel, trace brick (fill); moist.			0.0	Precleared to 8 ft bls.
	SPG		Brown, medium SAND, some Gravel, little Cobble; moist.			0.0	Sample WCR-10_W_0-5 collected for total lead and TCLP lead analyses.
			Brown, fine to medium SAND, some Gravel, little Cobble; moist.			0.1	
5	SWG			G	8	0.0	Sample WCR-10_W_5-8 collected for total lead and TCLP lead analyses.
			Bottom of borehole at 8 feet				

ROUX STANDARD LOG - 11/10/21 11:50 - S:\GINT\PROJECTS\0055.0148Y004WC.GPJ

ATTACHMENT 2

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-246493-1
Client Project/Site: Amtrak-Sunnyside Yards

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Attn: Mr. Jeffrey Wills

Melissa Haas

Authorized for release by:
11/16/2021 11:21:19 AM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

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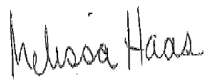
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/16/2021 11:21:19 AM

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246493-1
Project/Site: Amtrak-Sunnyside Yards

Qualifiers

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-246493-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Amtrak-Sunnyside Yards

Report Number: 460-246493-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/3/2021 6:00 PM, 11/4/2021 8:00 PM and 11/5/2021 7:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 2.7º C and 3.0º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Samples WCR-10_E1_0-8 (460-246493-1), WCR-10_E2_0-8 (460-246710-1), WCR-10_W_0-5 (460-246733-1), WCR-10_S1_0-5 (460-246710-2), WCR-10_W_5-8 (460-246733-2), WCR-10_S1_5-8 (460-246710-3), WCR-10_S2_0-5 (460-246733-3) and WCR-10_S2_5-8 (460-246733-4) were analyzed for TCLP Metals in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 11/04/2021 and 11/07/2021, prepared on 11/05/2021, 11/10/2021 and 11/11/2021 and analyzed on 11/06/2021, 11/10/2021 and 11/11/2021.

Samples WCR-10_S1_0-5 (460-246710-2)[10X] and WCR-10_S1_5-8 (460-246710-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples WCR-10_E1_0-8 (460-246493-1), WCR-10_E2_0-8 (460-246710-1), WCR-10_W_0-5 (460-246733-1), WCR-10_S1_0-5 (460-246710-2), WCR-10_W_5-8 (460-246733-2), WCR-10_S1_5-8 (460-246710-3), WCR-10_S2_0-5 (460-246733-3) and WCR-10_S2_5-8 (460-246733-4) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared on 11/08/2021, 11/10/2021 and 11/11/2021 and analyzed on 11/08/2021 and 11/11/2021.

Lead failed the recovery criteria high for the MS of sample WCR-10_E1_0-8MS (460-246493-1) in batch 460-812063.

Job ID: 460-246493-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Lead failed the recovery criteria low for the MS of sample 460-246611-1 in batch 460-812734.

Lead exceeded the RPD limit for the duplicate of sample WCR-10_E1_0-8DU (460-246493-1). Lead exceeded the RPD limit for the duplicate of sample 460-246611-1.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples WCR-10_E1_0-8 (460-246493-1), WCR-10_E2_0-8 (460-246710-1), WCR-10_W_0-5 (460-246733-1), WCR-10_S1_0-5 (460-246710-2), WCR-10_W_5-8 (460-246733-2), WCR-10_S1_5-8 (460-246710-3), WCR-10_S2_0-5 (460-246733-3) and WCR-10_S2_5-8 (460-246733-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/06/2021 and 11/10/2021.

Percent Moisture exceeded the RPD limit for the duplicate of sample WCR-10_E1_0-8DU (460-246493-1).

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246493-1
Project/Site: Amtrak-Sunnyside Yards

Client Sample ID: WCR-10_E1_0-8 — Lab Sample ID: 460-246493-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	17.2		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Lead	19.8		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_E2_0-8 — Lab Sample ID: 460-246710-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	41.6		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Lead	28.8		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_S1_0-5 — Lab Sample ID: 460-246710-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	93.3		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Lead	82.6		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_S1_5-8 — Lab Sample ID: 460-246710-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	18.6		0.57	0.19	mg/Kg	1	☼	6020B	Total/NA
Lead	29.8		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_W_0-5 — Lab Sample ID: 460-246733-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	54.0		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: WCR-10_W_5-8 — Lab Sample ID: 460-246733-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	57.8		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Lead	17.3		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_S2_0-5 — Lab Sample ID: 460-246733-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	30.0		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Lead	43.0		12.0	8.4	ug/L	10		6020B	TCLP

Client Sample ID: WCR-10_S2_5-8 — Lab Sample ID: 460-246733-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	27.2		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Lead	67.9		12.0	8.4	ug/L	10		6020B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: WCR-10_E1_0-8
Lab Sample ID: 460-246493-1
Date Collected: 11/03/21 13:05
Matrix: Solid
Date Received: 11/03/21 18:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19.8		12.0	8.4	ug/L		11/05/21 18:05	11/06/21 16:48	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.9		1.0	1.0	%			11/06/21 08:27	1
Percent Solids	95.1		1.0	1.0	%			11/06/21 08:27	1

Client Sample ID: WCR-10_E1_0-8
Lab Sample ID: 460-246493-1
Date Collected: 11/03/21 13:05
Matrix: Solid
Date Received: 11/03/21 18:00
Percent Solids: 95.1

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17.2		0.63	0.21	mg/Kg	☼	11/08/21 04:22	11/08/21 19:31	1

Client Sample ID: WCR-10_E2_0-8
Lab Sample ID: 460-246710-1
Date Collected: 11/05/21 10:10
Matrix: Solid
Date Received: 11/05/21 19:30

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28.8		12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:44	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.1		1.0	1.0	%			11/10/21 18:37	1
Percent Solids	96.9		1.0	1.0	%			11/10/21 18:37	1

Client Sample ID: WCR-10_E2_0-8
Lab Sample ID: 460-246710-1
Date Collected: 11/05/21 10:10
Matrix: Solid
Date Received: 11/05/21 19:30
Percent Solids: 96.9

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41.6		0.60	0.20	mg/Kg	☼	11/11/21 05:43	11/11/21 17:58	1

Client Sample ID: WCR-10_S1_0-5
Lab Sample ID: 460-246710-2
Date Collected: 11/05/21 11:55
Matrix: Solid
Date Received: 11/05/21 19:30

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	82.6		12.0	8.4	ug/L		11/11/21 06:42	11/11/21 18:53	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		1.0	1.0	%			11/10/21 18:37	1
Percent Solids	95.7		1.0	1.0	%			11/10/21 18:37	1

Client Sample ID: WCR-10_S1_0-5
Lab Sample ID: 460-246710-2
Date Collected: 11/05/21 11:55
Matrix: Solid
Date Received: 11/05/21 19:30
Percent Solids: 95.7

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	93.3		0.58	0.19	mg/Kg	☼	11/11/21 05:43	11/11/21 18:00	1

Client Sample ID: WCR-10_S1_5-8
Lab Sample ID: 460-246710-3
Date Collected: 11/05/21 12:00
Matrix: Solid
Date Received: 11/05/21 19:30

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29.8		12.0	8.4	ug/L		11/11/21 06:42	11/11/21 19:04	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.3		1.0	1.0	%			11/10/21 18:37	1
Percent Solids	96.7		1.0	1.0	%			11/10/21 18:37	1

Client Sample ID: WCR-10_S1_5-8
Lab Sample ID: 460-246710-3
Date Collected: 11/05/21 12:00
Matrix: Solid
Date Received: 11/05/21 19:30
Percent Solids: 96.7

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18.6		0.57	0.19	mg/Kg	☼	11/11/21 05:43	11/11/21 18:02	1

Client Sample ID: WCR-10_W_0-5
Lab Sample ID: 460-246733-1
Date Collected: 11/04/21 13:15
Matrix: Solid
Date Received: 11/04/21 20:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:35	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.7		1.0	1.0	%			11/10/21 07:52	1
Percent Solids	93.3		1.0	1.0	%			11/10/21 07:52	1

Client Sample ID: WCR-10_W_0-5
Lab Sample ID: 460-246733-1
Date Collected: 11/04/21 13:15
Matrix: Solid
Date Received: 11/04/21 20:00
Percent Solids: 93.3

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	54.0		0.60	0.20	mg/Kg	☼	11/10/21 05:03	11/11/21 15:29	1

Client Sample ID: WCR-10_W_5-8
Lab Sample ID: 460-246733-2
Date Collected: 11/04/21 13:20
Matrix: Solid
Date Received: 11/04/21 20:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17.3		12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:37	10

Client Sample ID: WCR-10_W_5-8 — **Lab Sample ID: 460-246733-2**
Date Collected: 11/04/21 13:20 — **Matrix: Solid**
Date Received: 11/04/21 20:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.0		1.0	1.0	%			11/10/21 07:52	1
Percent Solids	97.0		1.0	1.0	%			11/10/21 07:52	1

Client Sample ID: WCR-10_W_5-8 — **Lab Sample ID: 460-246733-2**
Date Collected: 11/04/21 13:20 — **Matrix: Solid**
Date Received: 11/04/21 20:00 — **Percent Solids: 97.0**

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	57.8		0.59	0.20	mg/Kg	☼	11/10/21 05:03	11/11/21 15:31	1

Client Sample ID: WCR-10_S2_0-5 — **Lab Sample ID: 460-246733-3**
Date Collected: 11/04/21 10:20 — **Matrix: Solid**
Date Received: 11/04/21 20:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43.0		12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:40	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.2		1.0	1.0	%			11/10/21 07:52	1
Percent Solids	93.8		1.0	1.0	%			11/10/21 07:52	1

Client Sample ID: WCR-10_S2_0-5 — **Lab Sample ID: 460-246733-3**
Date Collected: 11/04/21 10:20 — **Matrix: Solid**
Date Received: 11/04/21 20:00 — **Percent Solids: 93.8**

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30.0		0.59	0.20	mg/Kg	☼	11/10/21 05:03	11/11/21 15:34	1

Client Sample ID: WCR-10_S2_5-8 — **Lab Sample ID: 460-246733-4**
Date Collected: 11/04/21 10:25 — **Matrix: Solid**
Date Received: 11/04/21 20:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	67.9		12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:42	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.3		1.0	1.0	%			11/10/21 07:52	1
Percent Solids	96.7		1.0	1.0	%			11/10/21 07:52	1

Client Sample ID: WCR-10_S2_5-8 — **Lab Sample ID: 460-246733-4**
Date Collected: 11/04/21 10:25 — **Matrix: Solid**
Date Received: 11/04/21 20:00 — **Percent Solids: 96.7**

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27.2		0.59	0.20	mg/Kg	☼	11/10/21 05:03	11/11/21 15:36	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-811671/1-A
Matrix: Solid
Analysis Batch: 811853

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 811671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		11/05/21 18:05	11/06/21 16:30	1

Lab Sample ID: LCS 460-811671/2-A ^10
Matrix: Solid
Analysis Batch: 811853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 811671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5000	4699		ug/L		94	80 - 120

Lab Sample ID: MB 460-812001/1-A
Matrix: Solid
Analysis Batch: 812063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 812001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		11/08/21 04:22	11/08/21 19:20	1

Lab Sample ID: LCSSRM 460-812001/2-A ^5
Matrix: Solid
Analysis Batch: 812063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 812001

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	56.7	63.01		mg/Kg		111.1	82.9 - 116.9

Lab Sample ID: 460-246493-1 MS
Matrix: Solid
Analysis Batch: 812063

Client Sample ID: WCR-10_E1_0-8
Prep Type: Total/NA
Prep Batch: 812001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	17.2		5.26	27.72	N	mg/Kg	☼	200	75 - 125

Lab Sample ID: 460-246493-1 DU
Matrix: Solid
Analysis Batch: 812063

Client Sample ID: WCR-10_E1_0-8
Prep Type: Total/NA
Prep Batch: 812001

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	17.2		21.85	*	mg/Kg	☼	24	20

Lab Sample ID: MB 460-812400/1-A
Matrix: Solid
Analysis Batch: 812734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 812400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		11/10/21 05:03	11/11/21 12:29	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-812400/2-A ^5
Matrix: Solid
Analysis Batch: 812734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 812400

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			56.7	60.04		mg/Kg		105.9	82.9 - 116.9		

Lab Sample ID: 460-246611-B-1-M MS
Matrix: Solid
Analysis Batch: 812734

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 812400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	13.7		6.42	16.99	N	mg/Kg	☼	52	75 - 125		

Lab Sample ID: 460-246611-A-1-B DU
Matrix: Solid
Analysis Batch: 812734

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 812400

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	13.7		10.97	*	mg/Kg	☼	22	20

Lab Sample ID: MB 460-812429/1-A
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 812429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		11/10/21 07:25	11/10/21 13:02	1

Lab Sample ID: LCS 460-812429/2-A ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 812429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			5000	4678		ug/L		94	80 - 120		

Lab Sample ID: MB 460-812639/1-A
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 812639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		11/11/21 05:43	11/11/21 15:25	1

Lab Sample ID: LCSSRM 460-812639/2-A ^5
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 812639

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			56.7	55.58		mg/Kg		98.0	82.9 - 116.9		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-246611-B-40-D MS
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 812639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.5		5.46	8.17		mg/Kg	☼	103	75 - 125

Lab Sample ID: 460-246611-A-40-B DU
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 812639

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	2.5		2.60		mg/Kg	☼	3	20

Lab Sample ID: MB 460-812648/1-A
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 812648

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		11/11/21 06:42	11/11/21 15:36	1

Lab Sample ID: LCS 460-812648/2-A ^10
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 812648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5000	5316		ug/L		106	80 - 120

Lab Sample ID: LB 460-811424/1-E ^10
Matrix: Solid
Analysis Batch: 811853

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 811671

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		11/05/21 18:05	11/06/21 16:57	10

Lab Sample ID: 460-246478-E-1-G MS ^10
Matrix: Solid
Analysis Batch: 811853

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 811671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	12.0	U	5000	4867		ug/L		97	75 - 125

Lab Sample ID: 460-246478-E-1-F DU ^10
Matrix: Solid
Analysis Batch: 811853

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 811671

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	12.0	U	12.0	U	ug/L		NC	20

Lab Sample ID: LB 460-811646/1-F ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 812429

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:46	10

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LB 460-811917/1-F ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 812429

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:53	10

Lab Sample ID: LB 460-811922/1-H ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 812429

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		11/10/21 07:25	11/10/21 13:57	10

Lab Sample ID: 460-246536-B-1-I MS ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 812429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	244		5000	5235		ug/L		100	75 - 125

Lab Sample ID: 460-246536-B-1-H DU ^10
Matrix: Solid
Analysis Batch: 812530

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 812429

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	244		242.6		ug/L		0.7	20

Lab Sample ID: LB 460-811917/1-G
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 812648

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		11/11/21 06:42	11/11/21 18:38	1

Lab Sample ID: 460-246710-2 MS
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: WCR-10_S1_0-5
Prep Type: TCLP
Prep Batch: 812648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	82.6		5000	5555		ug/L		109	75 - 125

Lab Sample ID: 460-246710-2 DU
Matrix: Solid
Analysis Batch: 812773

Client Sample ID: WCR-10_S1_0-5
Prep Type: TCLP
Prep Batch: 812648

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	82.6		84.58		ug/L		2	20

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Method: Moisture - Percent Moisture

Lab Sample ID: 460-246493-1 DU
Matrix: Solid
Analysis Batch: 811763

Client Sample ID: WCR-10_E1_0-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	4.9			8.0	*	%				48	20
Percent Solids	95.1			92.0		%				3	20

Lab Sample ID: 460-246734-A-1 DU
Matrix: Solid
Analysis Batch: 812445

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.1			9.1		%				11	20
Percent Solids	91.9			90.9		%				1	20

Lab Sample ID: 460-246716-A-10 DU
Matrix: Solid
Analysis Batch: 812587

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.8			12.2		%				12	20
Percent Solids	86.2			87.8		%				2	20

Metals

Leach Batch: 811424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	TCLP	Solid	1311	
LB 460-811424/1-E ^10	Method Blank	TCLP	Solid	1311	
460-246478-E-1-G MS ^10	Matrix Spike	TCLP	Solid	1311	
460-246478-E-1-F DU ^10	Duplicate	TCLP	Solid	1311	

Leach Batch: 811646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-811646/1-F ^10	Method Blank	TCLP	Solid	1311	
460-246536-B-1-I MS ^10	Matrix Spike	TCLP	Solid	1311	
460-246536-B-1-H DU ^10	Duplicate	TCLP	Solid	1311	

Prep Batch: 811671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	TCLP	Solid	3010A	811424
LB 460-811424/1-E ^10	Method Blank	TCLP	Solid	3010A	811424
MB 460-811671/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-811671/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-246478-E-1-G MS ^10	Matrix Spike	TCLP	Solid	3010A	811424
460-246478-E-1-F DU ^10	Duplicate	TCLP	Solid	3010A	811424

Analysis Batch: 811853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	TCLP	Solid	6020B	811671
LB 460-811424/1-E ^10	Method Blank	TCLP	Solid	6020B	811671
MB 460-811671/1-A	Method Blank	Total/NA	Solid	6020B	811671
LCS 460-811671/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	811671
460-246478-E-1-G MS ^10	Matrix Spike	TCLP	Solid	6020B	811671
460-246478-E-1-F DU ^10	Duplicate	TCLP	Solid	6020B	811671

Leach Batch: 811917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	TCLP	Solid	1311	
460-246710-2	WCR-10_S1_0-5	TCLP	Solid	1311	
460-246710-3	WCR-10_S1_5-8	TCLP	Solid	1311	
LB 460-811917/1-F ^10	Method Blank	TCLP	Solid	1311	
LB 460-811917/1-G	Method Blank	TCLP	Solid	1311	
460-246710-2 MS	WCR-10_S1_0-5	TCLP	Solid	1311	
460-246710-2 DU	WCR-10_S1_0-5	TCLP	Solid	1311	

Leach Batch: 811922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246733-1	WCR-10_W_0-5	TCLP	Solid	1311	
460-246733-2	WCR-10_W_5-8	TCLP	Solid	1311	
460-246733-3	WCR-10_S2_0-5	TCLP	Solid	1311	
460-246733-4	WCR-10_S2_5-8	TCLP	Solid	1311	
LB 460-811922/1-H ^10	Method Blank	TCLP	Solid	1311	

Prep Batch: 812001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	Total/NA	Solid	3050B	
MB 460-812001/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 812001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-812001/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-246493-1 MS	WCR-10_E1_0-8	Total/NA	Solid	3050B	
460-246493-1 DU	WCR-10_E1_0-8	Total/NA	Solid	3050B	

Analysis Batch: 812063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	Total/NA	Solid	6020B	812001
MB 460-812001/1-A	Method Blank	Total/NA	Solid	6020B	812001
LCSSRM 460-812001/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	812001
460-246493-1 MS	WCR-10_E1_0-8	Total/NA	Solid	6020B	812001
460-246493-1 DU	WCR-10_E1_0-8	Total/NA	Solid	6020B	812001

Prep Batch: 812400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246733-1	WCR-10_W_0-5	Total/NA	Solid	3050B	
460-246733-2	WCR-10_W_5-8	Total/NA	Solid	3050B	
460-246733-3	WCR-10_S2_0-5	Total/NA	Solid	3050B	
460-246733-4	WCR-10_S2_5-8	Total/NA	Solid	3050B	
MB 460-812400/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-812400/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-246611-B-1-M MS	Matrix Spike	Total/NA	Solid	3050B	
460-246611-A-1-B DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 812429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	TCLP	Solid	3010A	811917
460-246733-1	WCR-10_W_0-5	TCLP	Solid	3010A	811922
460-246733-2	WCR-10_W_5-8	TCLP	Solid	3010A	811922
460-246733-3	WCR-10_S2_0-5	TCLP	Solid	3010A	811922
460-246733-4	WCR-10_S2_5-8	TCLP	Solid	3010A	811922
LB 460-811646/1-F ^10	Method Blank	TCLP	Solid	3010A	811646
LB 460-811917/1-F ^10	Method Blank	TCLP	Solid	3010A	811917
LB 460-811922/1-H ^10	Method Blank	TCLP	Solid	3010A	811922
MB 460-812429/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-812429/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-246536-B-1-I MS ^10	Matrix Spike	TCLP	Solid	3010A	811646
460-246536-B-1-H DU ^10	Duplicate	TCLP	Solid	3010A	811646

Analysis Batch: 812530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	TCLP	Solid	6020B	812429
460-246733-1	WCR-10_W_0-5	TCLP	Solid	6020B	812429
460-246733-2	WCR-10_W_5-8	TCLP	Solid	6020B	812429
460-246733-3	WCR-10_S2_0-5	TCLP	Solid	6020B	812429
460-246733-4	WCR-10_S2_5-8	TCLP	Solid	6020B	812429
LB 460-811646/1-F ^10	Method Blank	TCLP	Solid	6020B	812429
LB 460-811917/1-F ^10	Method Blank	TCLP	Solid	6020B	812429
LB 460-811922/1-H ^10	Method Blank	TCLP	Solid	6020B	812429
MB 460-812429/1-A	Method Blank	Total/NA	Solid	6020B	812429
LCS 460-812429/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	812429
460-246536-B-1-I MS ^10	Matrix Spike	TCLP	Solid	6020B	812429

Metals (Continued)

Analysis Batch: 812530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246536-B-1-H DU ^10	Duplicate	TCLP	Solid	6020B	812429

Prep Batch: 812639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	Total/NA	Solid	3050B	
460-246710-2	WCR-10_S1_0-5	Total/NA	Solid	3050B	
460-246710-3	WCR-10_S1_5-8	Total/NA	Solid	3050B	
MB 460-812639/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-812639/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-246611-B-40-D MS	Matrix Spike	Total/NA	Solid	3050B	
460-246611-A-40-B DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 812648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-2	WCR-10_S1_0-5	TCLP	Solid	3010A	811917
460-246710-3	WCR-10_S1_5-8	TCLP	Solid	3010A	811917
LB 460-811917/1-G	Method Blank	TCLP	Solid	3010A	811917
MB 460-812648/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-812648/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-246710-2 MS	WCR-10_S1_0-5	TCLP	Solid	3010A	811917
460-246710-2 DU	WCR-10_S1_0-5	TCLP	Solid	3010A	811917

Analysis Batch: 812734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246733-1	WCR-10_W_0-5	Total/NA	Solid	6020B	812400
460-246733-2	WCR-10_W_5-8	Total/NA	Solid	6020B	812400
460-246733-3	WCR-10_S2_0-5	Total/NA	Solid	6020B	812400
460-246733-4	WCR-10_S2_5-8	Total/NA	Solid	6020B	812400
MB 460-812400/1-A	Method Blank	Total/NA	Solid	6020B	812400
LCSSRM 460-812400/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	812400
460-246611-B-1-M MS	Matrix Spike	Total/NA	Solid	6020B	812400
460-246611-A-1-B DU	Duplicate	Total/NA	Solid	6020B	812400

Analysis Batch: 812773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	Total/NA	Solid	6020B	812639
460-246710-2	WCR-10_S1_0-5	TCLP	Solid	6020B	812648
460-246710-2	WCR-10_S1_0-5	Total/NA	Solid	6020B	812639
460-246710-3	WCR-10_S1_5-8	TCLP	Solid	6020B	812648
460-246710-3	WCR-10_S1_5-8	Total/NA	Solid	6020B	812639
LB 460-811917/1-G	Method Blank	TCLP	Solid	6020B	812648
MB 460-812639/1-A	Method Blank	Total/NA	Solid	6020B	812639
MB 460-812648/1-A	Method Blank	Total/NA	Solid	6020B	812648
LCS 460-812648/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	812648
LCSSRM 460-812639/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	812639
460-246611-B-40-D MS	Matrix Spike	Total/NA	Solid	6020B	812639
460-246710-2 MS	WCR-10_S1_0-5	TCLP	Solid	6020B	812648
460-246611-A-40-B DU	Duplicate	Total/NA	Solid	6020B	812639
460-246710-2 DU	WCR-10_S1_0-5	TCLP	Solid	6020B	812648

General Chemistry

Analysis Batch: 811763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246493-1	WCR-10_E1_0-8	Total/NA	Solid	Moisture	
460-246432-A-2 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-246432-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-246493-1 DU	WCR-10_E1_0-8	Total/NA	Solid	Moisture	

Analysis Batch: 812445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246733-1	WCR-10_W_0-5	Total/NA	Solid	Moisture	
460-246733-2	WCR-10_W_5-8	Total/NA	Solid	Moisture	
460-246733-3	WCR-10_S2_0-5	Total/NA	Solid	Moisture	
460-246733-4	WCR-10_S2_5-8	Total/NA	Solid	Moisture	
460-246595-F-24 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-246595-F-24 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-246595-F-24 MSI	Matrix Spike	Total/NA	Solid	Moisture	
460-246595-F-24 MSS	Matrix Spike	Total/NA	Solid	Moisture	
460-246734-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 812587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-246710-1	WCR-10_E2_0-8	Total/NA	Solid	Moisture	
460-246710-2	WCR-10_S1_0-5	Total/NA	Solid	Moisture	
460-246710-3	WCR-10_S1_5-8	Total/NA	Solid	Moisture	
460-246716-A-10 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Client Sample ID: WCR-10_E1_0-8
Date Collected: 11/03/21 13:05
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246493-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811424	11/04/21 16:00	YAH	TAL EDI
TCLP	Prep	3010A			811671	11/05/21 18:05	GAE	TAL EDI
TCLP	Analysis	6020B		10	811853	11/06/21 16:48	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	811763	11/06/21 08:27	MIE	TAL EDI

Client Sample ID: WCR-10_E1_0-8
Date Collected: 11/03/21 13:05
Date Received: 11/03/21 18:00

Lab Sample ID: 460-246493-1
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812001	11/08/21 04:22	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812063	11/08/21 19:31	MDC	TAL EDI

Client Sample ID: WCR-10_E2_0-8
Date Collected: 11/05/21 10:10
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811917	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812429	11/10/21 07:25	GMC	TAL EDI
TCLP	Analysis	6020B		10	812530	11/10/21 13:44	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	812587	11/10/21 18:37	MIE	TAL EDI

Client Sample ID: WCR-10_E2_0-8
Date Collected: 11/05/21 10:10
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-1
Matrix: Solid
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812639	11/11/21 05:43	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812773	11/11/21 17:58	MDC	TAL EDI

Client Sample ID: WCR-10_S1_0-5
Date Collected: 11/05/21 11:55
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811917	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812648	11/11/21 06:42	GMC	TAL EDI
TCLP	Analysis	6020B		10	812773	11/11/21 18:53	MDC	TAL EDI
Total/NA	Analysis	Moisture		1	812587	11/10/21 18:37	MIE	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Client Sample ID: WCR-10_S1_0-5
Date Collected: 11/05/21 11:55
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-2
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812639	11/11/21 05:43	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812773	11/11/21 18:00	MDC	TAL EDI

Client Sample ID: WCR-10_S1_5-8
Date Collected: 11/05/21 12:00
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811917	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812648	11/11/21 06:42	GMC	TAL EDI
TCLP	Analysis	6020B		10	812773	11/11/21 19:04	MDC	TAL EDI
Total/NA	Analysis	Moisture		1	812587	11/10/21 18:37	MIE	TAL EDI

Client Sample ID: WCR-10_S1_5-8
Date Collected: 11/05/21 12:00
Date Received: 11/05/21 19:30

Lab Sample ID: 460-246710-3
Matrix: Solid
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812639	11/11/21 05:43	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812773	11/11/21 18:02	MDC	TAL EDI

Client Sample ID: WCR-10_W_0-5
Date Collected: 11/04/21 13:15
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811922	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812429	11/10/21 07:25	GMC	TAL EDI
TCLP	Analysis	6020B		10	812530	11/10/21 13:35	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	812445	11/10/21 07:52	MVA	TAL EDI

Client Sample ID: WCR-10_W_0-5
Date Collected: 11/04/21 13:15
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-1
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812400	11/10/21 05:03	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812734	11/11/21 15:29	MDC	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Client Sample ID: WCR-10_W_5-8
Date Collected: 11/04/21 13:20
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811922	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812429	11/10/21 07:25	GMC	TAL EDI
TCLP	Analysis	6020B		10	812530	11/10/21 13:37	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	812445	11/10/21 07:52	MVA	TAL EDI

Client Sample ID: WCR-10_W_5-8
Date Collected: 11/04/21 13:20
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-2
Matrix: Solid
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812400	11/10/21 05:03	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812734	11/11/21 15:31	MDC	TAL EDI

Client Sample ID: WCR-10_S2_0-5
Date Collected: 11/04/21 10:20
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811922	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812429	11/10/21 07:25	GMC	TAL EDI
TCLP	Analysis	6020B		10	812530	11/10/21 13:40	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	812445	11/10/21 07:52	MVA	TAL EDI

Client Sample ID: WCR-10_S2_0-5
Date Collected: 11/04/21 10:20
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-3
Matrix: Solid
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812400	11/10/21 05:03	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812734	11/11/21 15:34	MDC	TAL EDI

Client Sample ID: WCR-10_S2_5-8
Date Collected: 11/04/21 10:25
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			811922	11/07/21 16:00	YXG	TAL EDI
TCLP	Prep	3010A			812429	11/10/21 07:25	GMC	TAL EDI
TCLP	Analysis	6020B		10	812530	11/10/21 13:42	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	812445	11/10/21 07:52	MVA	TAL EDI

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Client Sample ID: WCR-10_S2_5-8

Date Collected: 11/04/21 10:25
Date Received: 11/04/21 20:00

Lab Sample ID: 460-246733-4

Matrix: Solid
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			812400	11/10/21 05:03	GMC	TAL EDI
Total/NA	Analysis	6020B		1	812734	11/11/21 15:36	MDC	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246493-1
Project/Site: Amtrak-Sunnyside Yards

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-246493-1
Project/Site: Amtrak-Sunnyside Yards

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Amtrak-Sunnyside Yards

Job ID: 460-246493-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-246493-1	WCR-10_E1_0-8	Solid	11/03/21 13:05	11/03/21 18:00
460-246710-1	WCR-10_E2_0-8	Solid	11/05/21 10:10	11/05/21 19:30
460-246710-2	WCR-10_S1_0-5	Solid	11/05/21 11:55	11/05/21 19:30
460-246710-3	WCR-10_S1_5-8	Solid	11/05/21 12:00	11/05/21 19:30
460-246733-1	WCR-10_W_0-5	Solid	11/04/21 13:15	11/04/21 20:00
460-246733-2	WCR-10_W_5-8	Solid	11/04/21 13:20	11/04/21 20:00
460-246733-3	WCR-10_S2_0-5	Solid	11/04/21 10:20	11/04/21 20:00
460-246733-4	WCR-10_S2_5-8	Solid	11/04/21 10:25	11/04/21 20:00

Address: _____

NYC 222

Chain of Custody Record 577951

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246493 ~~246492~~ 8/1/13

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

246493

TAL-8210

Client Contact	Project Manager: Jeff Wills	Site Contact: Andrew Klein	Date:	COC No:
Company Name: Roux	Tel/Email: JWills@rouxinc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY 11749	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (516) 637-0213	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Amtrak Sunnyside Yard	☑ 1 week 5 days			
Site: LIC, NY	☐ 2 days			Job / SDG No.:
PO# 0055.0148Y000	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020B - Lead	6020B - TCLP Lead	Sample Specific Notes:
WCR-10_E1_0-8	11/3/21	1305	C	S	2			X	X	

460-246493 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Klein	Roux	11/3/21 1530			11321 1530
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		11321 1800			11/3/21 1800
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 246493

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	29 °C	26 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: _____ Date: 11 3 21

Address: _____

NYC 222

Chain of Custody Record 577955

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Wills	Site Contact: Andrew Klein	Date: 11/5/21	COC No:
Company Name: Roux	Tel/Email: jwills@rouxinc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY 11749	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (516) 637-0213	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Amtrak - Sunnyside Yard	☑ 1 week 5 days			Job / SDG No.: 246710
Site: LIC, NY	☐ 2 days			
PO# 0055.0148 Y000	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020B - Lead	6020B - TCLP Lead	Sample Specific Notes:
WCR-10_E2_0-8	11/5/21	1010	C	S	2			X	X	Close SDG
WCR-10_S1_0-5	↓	1155	↓	↓	↓			X	X	↓
WCR-10_S1_5-8	↓	1200	↓	↓	↓			X	X	↓

5-Day RUSH

460-246710 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by: Andrew Klein	Company: Roux	Date/Time: 11/5/21 1305	Received by:	Company: TA NYC	Date/Time: 11/05/21 13:05
Relinquished by:	Company: TA NYC	Date/Time: 11/05/21 17:00	Received by:	Company:	Date/Time: 11/5/21 16:00
Relinquished by:	Company:	Date/Time: 11/5/21 19:30	Received in Laboratory by:	Company:	Date/Time: 11/5/21 1920

3.2/2.8 th #9

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11/16/2021

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 24670

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.2 °C	2.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 11/5/21

NYC 222

Chain of Custody Record 577956

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Wills	Site Contact: Andrew Klein	Date: 11/4/21	COC No:
Company Name: Roux	Tel/Email: Jwills@rouxinc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY 11749	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (516) 637-0213	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☑ 1 week 5 days ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: Amtrak - Sunnyside Yard				Job / SDG No.: 246733
Site: LIC, NY				
PO# 0055.0148Y000				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6020B - Lead	6020B - TCLP Lead	Sample Specific Notes:
WCR-10_W_0-5	11/4/21	1315	C	S	2			X	X	Keep SDG open 1
WCR-10_W_5-8	↓	1320	↓	↓	↓			X	X	2
WCR-10_S2_0-5		1020						X	X	3
WCR-10_S2_5-8		1025						X	X	4

5-Day RUSH

460-246733 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Klein	Roux	11/4/21 1520		TA NYC	11/04/21 15:30
	TA NYC	11/04/21 17:00		T. Uz	11/4/21 17:00
T. Uz	11/4/21	20:00		ETA	11/4/21 2000

3. Ice Temp

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11/16/2021

TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 246733

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.5 °C	3.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4, 06/09/2014

Initials: _____ Date: 11/4/21

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-246493-1

Login Number: 246493
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-246493-1

Login Number: 246710
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-246493-1

Login Number: 246733
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

Site-Specific Community Air Monitoring Plan

Community Air Monitoring Plan

OU-3 and OU-4
Sunnyside Yards
Long Island City, New York

September 15, 2020

Prepared for:

National Passenger Railroad Corporation
Washington D.C. 20002

Prepared by:

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A. Action Limit Report

1. Introduction

This Community Air Monitoring Plan (CAMP) was prepared by Roux Environmental Engineering and Geology D.P.C. (Roux) for the Operable Units (OU) -3 and OU-4 of Sunnyside Yard located in Long Island City, New York (Site). A Site Location Map is provided on Figure 1. Sunnyside Yard is located in an urban area in northwestern Queens County (Figure 1). The East River is located approximately one mile to the west while Newtown Creek, which defines the border between Queens and Kings Counties, is located less than 0.5 mile south of the western portion of the Yard. The Yard consists of a railroad maintenance and storage facility that currently encompasses approximately 133 acres. The Yard functions as a maintenance facility for electric locomotives and railroad cars for Amtrak and a train layover storage yard for New Jersey Transit Corporation (NJTC). The Yard is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 241006, which is administered by New York State Department of Environmental Conservation (NYSDEC). The Yard was subdivided into six operable units (OUs), OU-1 through OU-6, to streamline remedial efforts. The land use surrounding the Yard is a combination of commercial, light industrial and residential areas. The Long Island Rail Road (LIRR) currently owns a portion of the original Yard along the northern boundary (including a portion of OU 3) and maintains rights of way through the Yard.

The monitoring program will be implemented at all times during which earth disturbance activities are occurring. This CAMP is designed to provide a measure of protection for the downwind community (i.e., offsite receptors, including residents and workers nit directly involved with the subject work activities) from potential airborne contaminant releases that may be as a direct result of remedial and construction activities. This monitoring plan is consistent with the New York State Department of Health's (NYSDOH) Generic Community Air Monitoring Plan guidance document included as Appendix 1A of the NYSDEC DER-10.

Test results of previous sampling activities, conducted by Roux since 2007 at the Site indicate that some areas of the Site contain varying levels of metals and / or semivolatile organic compounds (SVOCs), particularly polynuclear aromatic hydrocarbons (PAHs), which exceed the applicable New York State Department of Environmental Conservation (NYSDEC) criteria. The metals and SVOCs were primarily observed in historic fill/soil at varying depths beneath the Site.

The specifics of the CAMP are presented in the following four (4) sections:

- 1.1 VOC Monitoring Approach
- 1.2 Particulate Monitoring Approach
- 1.3 Meteorological Monitoring Approach
- 1.4 Available Suppression Techniques

1.1 VOC Monitoring

Total VOC concentrations in air will be monitored continuously at a location downwind of the excavation activities during all ground intrusive activities. An upwind monitoring station will be set up adjacent to where the excavation is occurring. The VOC monitoring equipment will be located at temporary monitoring stations that will be established daily based on Site logistics and weather conditions. The monitoring work will be conducted using MiniRAE 3000 (or equivalent) portable VOC monitors, or similar type monitors, for all VOC monitoring. The equipment will be calibrated at least once daily using isobutylene as the calibration

gas. One (1) upwind and one (1) downwind monitor will be deployed each day. Each monitoring unit is equipped with an audible alarm to indicate exceedance of the action levels (as defined below and summarized in Table 1).

The equipment is capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total VOCs at the downwind perimeter of the Site exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If the ambient air concentration of total VOCs at the downwind perimeter of the Site persists at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of VOCs identified, suppression techniques employed to abate emissions, and monitoring continued. After these steps, work activities can resume if the total organic vapor level at the Site perimeter is below 5 ppm over the background concentration for the 15-minute average. If levels are in excess of 25 ppm above background, identified contributing ground-intrusive activities will be halted and vapor suppression techniques will be evaluated and modified until monitoring indicates VOC levels at the Site perimeter are below 5 ppm over background. Once VOC levels are below 5 ppm at the Site perimeter, work will resume with continued monitoring.

All 15-minute readings will be recorded and be available for State Regulator (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes will be recorded. If an exceedance of the action level occurs, an Action Limit Report (ALR) will be completed, identifying the monitoring device location, the measured VOC level, the activity causing the exceedance, meteorological conditions, and the corrective actions taken, as provided in Appendix A. Additionally, the NYSDEC and NYSDOH will be notified within 24 hours of the VOC ALR generation. Daily monitoring equipment locations and meteorological conditions will also be documented on the daily CAMP Monitoring Location Plan. All documentation will be kept on file at the Site.

1.2 Particulate Monitoring, Response Levels and Actions

Particulate concentrations will be monitored continuously at temporary particulate monitoring stations set up at the sidewalk at upwind and downwind locations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action levels (as defined below and summarized in Table 1). Monitoring equipment will be MIE Data Ram monitors or equivalent. A minimum of one (1) upwind and one (1) downwind monitor will be deployed each day, equipped with an omni-directional sampling inlet and a PM-10 sample head. The data logging averaging period will be set to 15-minutes with time and date stamp recording. Alarm averaging will be set at 90 micrograms per cubic meter ($\mu g/m^3$) per 15-minute period. This setting will allow proactive evaluation of Site conditions prior to reaching Action Levels of 100 $\mu g/m^3$ above background. The equipment will be outfitted with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities. The monitoring will be used to compare values to the following:

- If the downwind PM-10 particulate level is 100 $\mu g/m^3$ greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the Site, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that

downwind PM-10 particulate levels do not exceed 150 µg/m^3 above the upwind level and provided that no visible dust is migrating from the Site.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 µg/m^3 above the upwind level, work must be stopped, a re-evaluation of activities initiated, and dust suppression techniques modified. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 µg/m^3 of the upwind level and in preventing visible dust migration.

All 15-minute readings will be recorded and be available for State Regulator (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes will be recorded. If an exceedance of the action level occurs, an ALR will be completed, identifying the monitoring device location, the measured particulate concentration, the activity causing the exceedance, meteorological conditions, and the corrective actions taken, as provided in Appendix A. Daily monitoring equipment locations will also be documented on the daily CAMP Monitoring Location Plan. All documentation will be kept on file at the Site.

1.3 Meteorological Monitoring

Wind speed (estimated) and wind direction, will be approximated based on field observations of onsite personnel. Meteorological data consisting of temperature, barometric pressure, and relative humidity will be recorded in the field book based upon publicly available information from local weather stations.

1.4 Available Suppression Techniques

Odor Control

Due to the nature of the project, with excavation occurring, the potential for generation of nuisance odors and the need for odor control may be necessary. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) use of chemical odorants in spray or misting systems; and, (e) use of staff to monitor odors in surrounding neighborhoods.

Dust Control

Due to the nature of the project, the potential for generation of nuisance dust and the need for dust control may be necessary. Dust suppression will be achieved through the use of water for wetting excavation areas, if required. Water will be available on-site at suitable supply and pressure for use in dust control.

1.5 Reporting

All recorded monitoring data will be downloaded and field logged periodically, including action limit reports (if any) and daily CAMP monitoring location plans. All records will be maintained onsite and available for NYSDEC/NYSDOH review. A summary of CAMP findings, including excursions, will be provided in the Daily and Monthly Reports. All CAMP monitoring records will be included in the overall Final Engineering Report that will be submitted to the NYSDEC and NYSDOH and will include all of the CAMP data collected, daily monitoring station location maps, and copies of the ALRs (if any). If an ALR is generated due to VOC exceedances, the NYSDEC and NYSDOH will be notified within 24 hours of the exceedance.

TABLE

Action Limit Summary for VOCs and Particulates

Table 1. Action Limit Summary for VOCs and Particulates, Sunnyside Yard (OU-3 & OU-4), Long Island City, NY

Contaminant	Downwind Action Levels*	Action/Response
Volatile Organic Compounds (VOCs) (Monitoring Via Photoionization Detector and Odor Observation)	< 5 ppm	1. Resume work with continuing monitoring.
	5 ppm < level < 25 ppm	1. Work activities must be temporarily halted, source vapors must be identified, suppression techniques employed to abate emissions and monitoring continued. 2. After these steps, if VOC levels (200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or structure, whichever is less) is below 5 ppm over background, resume work.
	> 25 ppm	1. Identified contributing ground intrusive activities must be halted and vapor suppression techniques must be evaluated and modified until monitoring indicates VOC levels below the action level. 2. After these steps, if VOC levels (half the distance to the nearest potential receptor or structure) are below 5 ppm over background, resume work.
Particulates (Monitoring Via Particulate Meter and Observation)	< 100 ug/m^3	1. If dust is observed leaving the work area, then dust control techniques must be implemented or additional controls used.
	100 ug/m3 < level < 150 ug/m^3	1. Employ dust suppression techniques. 2. Work may continue with dust suppression techniques provided that downwind PM-10 particulate concentration do not exceed 150 ug/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
	> 150 ug/m^3	1. STOP work 2. Re-evaluate activities, modify dust suppression techniques. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 ug/m^3 of the upwind level and in preventing visible dust migration.

* Instantaneous readings above background. Particulate readings are based on the respirable (PM-10) fraction. Background readings are taken at upwind locations relative to Work Areas or Exclusion Zones.

APPENDIX A

Action Limit Report

ACTION LIMIT REPORT

Project Location: Sunnyside Yard (OU-3 & OU-4), Long Island City, NY

Date: _____ Time: _____

Name: _____

Contaminant: PM-10: _____ VOC: _____

Wind Speed: _____ Wind Direction: _____

Temperature: _____ Barometric Pressure: _____

DOWNWIND DATA

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

UPWIND DATA

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

BACKGROUND CORRECTED LEVELS

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

ACTIVITY DESCRIPTION

CORRECTIVE ACTION TAKEN